

WDNR Professionally Assured Wetland Delineation Report

Lake Forest Condominiums

Town of Washington

Vilas County, Wisconsin

June 14, 2023





WDNR PROFESSIONALLY ASSURED WETLAND DELINEATION REPORT

LAKE FOREST CONDOMINIUMS TOWN OF WASHINGTON VILAS COUNTY, WISCONSIN

June 14, 2023

Prepared for:

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Introduction

Dalmark Development Group, LLC contracted Wetlands and Waterways, LLC to delineate wetlands for the Lake Forest Condominium project located on the north side of Rhinelander, Wisconsin. The Study Area is approximately 130 acres and is described as being located in in Part of the Southwest ½ of the Southeast ¼ and Part of the Southeast ¼ of Section 24, Township 40 North, Range 10 East and Part of the Northwest ¼ of the Northwest ¼ and Part of the Northwest ¼ and Part of Government Lots 3 and 4 and Part of Government Lot 1 of Section 26, Township 40 North, Range 10 East, All in the Town of Washington, Vilas County, Wisconsin. See Figure 1A for the Study Area location and local topography.

The wetland delineation was conducted on May 19 and 22, 2023 by Ms. Ann Key, a Wisconsin Department of Natural Resources (WDNR) Professionally Assured Wetland Delineator. The intent of the delineation was to identify wetlands for purposes of permitting a proposed condominium development within the Study Area. The Study Area is comprised of primarily of existing golf course, undisturbed upland forest and undisturbed wooded, shrub and bog swamp. The maintained golf course areas were considered to have Significantly Disturbed vegetation for purposes of wetland delineation but no other recent disturbances were observed and the portions of the Study Area where wetlands were identified was considered to have normal circumstances.

The WWI map was reviewed and indicates the presence of one large (> 2 acres) wetland complex spanning the eastern portions of Study Area, as well as four small (< 2 acres) wetland symbols and one United States Department of Agriculture (USDA) wet spot. The WWI map identifies the larger wetland complex as being comprised of the following community types;

- Forested, Needle-Leaved, Wet Soil, Palustrine (T8K)
- Scrub-Shrub, Broad-Leaved Evergreen/Open Water, Subclass Unknown, Standing Water, Palustrine (S6/W0H)

The wetland indicator soils layer was reviewed and identifies wetland indicator soils within the same general areas of the Study Area as mapped wetland complex and extending beyond to the north and east of the mapped wetland complex. Indicator soils are soils which are commonly found in wetlands or have inclusions of soils that are commonly found in wetlands.

The WDNR Surface Water Data Viewer (SWDV) was also reviewed identifies Voyageur Lake immediately south of the Study Area as a Priority Navigable Waterway (PNW) Walleye and Musky Area.

Ten wetlands (Wetlands 1 through 10) were delineated during the site visits. The Wetland Data Sheets classify the wetlands according to the Cowarden *Classification of Wetlands and Deepwater Habitats of the United States* (U.S. Fish and Wildlife Service, 1979) classification system.

An antecedent precipitation evaluation was conducted for the three months prior the site visits using the U.S. Army Corps of Engineers (USACE) Antecedent Precipitation Tool (APT). The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. The Palmer Drought Index also indicates climatic conditions were wetter than normal (Moderately Moist +2.00 to +2.99) at the time of the site visits. Based on evaluation of both sources of data it was determined climatic conditions were wetter than normal at the time of the site visits.

All wetland sample plots met wetland vegetation criteria with a dominance of hydrophytic species. Hydric soil criteria was met at all wetland sample plots with the following indicators observed and recorded where applicable; A1 (Histosol), A2 (Histic Epipedon), A10 (2 cm Muck), A11 (Depleted Below Dark Surface), S1 (Sandy Muck Mineral), F1 (Loamy Mucky Mineral) and F3 (Depleted Matrix).



All wetland sample plots displayed both primary and secondary hydrology indicators and the following hydrology indicators were recorded where applicable; A1 (Surface Water), A2 (High Water Table), A3 (Saturation), B7 (Inundation Visible on Aerial Imagery), B9 (Water-Stained Leaves), D2 (Geomorphic Position) and D5 (FAC-Neutral Test).

Wetland boundaries were identified using procedures outlined in the 1987 Corps of Engineering Wetland Delineation Manual and Northcentral/Northeast Regional Supplement. The areas identified as wetland were identified based on transitions from wetland to upland vegetation, hydrology indicators and hydric soil indicators, or lack thereof, in wetland areas versus upland areas, topographical position and best professional judgment.



Study Methods

Available topographic maps, survey maps, WWI maps, Vilas County Soil Survey maps, Hydric Soil maps and recent aerial photos were reviewed prior to visiting the Study Area to identify potential wetland areas. The United States Geological Survey (USGS) Topographical map is included as Figure 1A and the Vilas County 2-foot Contour map is included as Figure 1B. The WWI map with wetland and indicator soil layers is included as Figure 3. The Vilas County Soil Survey Map is included as Figure 4. The Hydric Soils map is included as Figure 5. In addition, antecedent precipitation information was evaluated through use of available USACE APT which determines climatic conditions for a specific location on a specific date based on automated evaluation of all available local WETS data to determine if conditions were within normal, wetter than normal or drier than normal at the time of the site visits. The APT report for this site is included in Appendix B.

Examination of vegetation, soils and hydrology, as outlined in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory, 1987) and the Northcentral/Northeast Regional Supplement, were used to characterize and determine wetland boundaries. The Natural Resources Conservation Service (NRCS) Field Indicators of Hydric Soils in the United States Guide was also utilized to help identify hydric soils at the site. All available information including transitions in vegetation, soils and hydrology, review of recent aerial photos, antecedent precipitation analysis, topographic position, along with best professional judgment was applied. Wetland edges were flagged with pink "Wetland Delineation" and sample plot locations were located with a Trimble DA2 Global Positioning System (GPS) with sub-meter accuracy and are shown on Figure 2.

Sample transects were established in a representative wetland to upland transition zone. The transects were comprised of two sample points located along a line running perpendicular to the wetland edge, with one point in obvious wetland and one point in obvious upland. A field data form was completed for each of the upland and wetland sample points. The sample locations were also located with a sub-meter GPS and are indicated on Figure 2. Field data forms are included in Appendix A.

Wetland classification was performed according to Cowarden Classification of Wetlands and Deepwater Habitats of the United States (U.S. Fish and Wildlife Service, 1979) systems. Vegetation was identified using suitable keys (Eggers and Reed, 2014; Knopt, 1980; Courtenay/Zimmerman, 1972; Fassett, 1951; Chadde, 1998) and a plant's hydrophytic status was determined using the most recent Northcentral/Northeast Region – National Wetland Plant List (U.S. Army Corps of Engineers, 2016).



Results

OFF-SITE SURVEY

Prior to the site visits, all available maps including the USGS Topographical map, the Vilas County 2-Foot Contour map, WWI map, Vilas County Soil Survey, Hydric Soil maps and recent aerial photos were reviewed.

The USGS Topographical Map (Figure 1A) and the Vilas County 2-Foot Contour Map (Figure 1B) indicate the topography throughout the Study Area has gently rolling to steep topography with a high elevation of approximately 1,700 feet above mean sea level (msl) in the central high points of the Study Area dropping to a low elevation of approximately 1,625 feet above msl in the lower lying areas where the wetlands were generally found.

The WWI map (Figure 3) was reviewed and indicates the presence of one large (> 2 acres) wetland complex spanning the eastern portions of Study Area, as well as four small (< 2 acres) wetland symbols and one USDA wet spot. The WWI map identifies the larger wetland complex as being comprised of the following community types; T8K and S6/W0H.

The wetland indicator soils layer (Figure 3) was reviewed and identifies wetland indicator soils within the same general areas of the Study Area as mapped wetland complex and extending beyond to the north and east of the mapped wetland complex. Indicator soils are soils which are commonly found in wetlands or have inclusions of soils that are commonly found in wetlands.

The WDNR SWDV was also reviewed identifies Voyageur Lake immediately south of the Study Area as a PNW Walleye and Musky Area.

The Vilas County Soil Survey (Figure 4) and Hydric Soils Map (Figure 5) indicate that the following soil series are present throughout the Study Area:

Au – Au Gres Loamy Sand, 0 to 3% slopes (8.15 acres – 6.27% Area of Interest) – These soils consist of somewhat poorly drained loamy sand over sand and are formed on linear and concave footslopes of terraces, drainageways and flats with level to gently sloping terrain.

CrA – Croswell Sand, 0 to 4% slopes (1.12 acres – 0.86% of Area of Interest) – These soils consist of moderately well drained sand soils formed on linear rises and footslopes of stream terraces with level to gently sloping terrain.

CsA – Cublake Loamy Sand, 0 to 4% slopes (8.63 acres – 6.63% of Area of Interest) – These soils consist of moderately well drained loamy sand soils over sand and are formed on linear rises and footslopes of outwash terraces, outwash plains and lake plains with level to gently sloping terrain.

FeB – Fence-Alcona Complex, 0 to 6% slopes (2.20 acres – 1.69% of Area of Interest) – These soils consist of moderately the well drained Fence soils comprised of silt loam over stratified very fine sand to silt and the well drained Alcona soils comprised of fine sandy loam over loamy sand and sandy loam. These soils are formed on convex summits of moraines, outwash plains and lake plains with level to gently rolling terrain.

Ga – Gaastra Silt Loam, 0 to 2% slopes (8.90 acres – 6.84% of Area of Interest) – These soils consist of somewhat poorly drained silt loam soils formed on linear and concave footslopes of drainageways and depressions on outwash plains, moraines and lake plains with level to nearly level terrain.



- KaC Karlin Loamy Fine Sand, 6 to 15% slopes, Stony (6.21 acres 4.78% of Area of Interest) These soils consist of somewhat excessively drained loamy fine sand over loamy sand and sand. These soils are formed on convex shoulders and backslopes of outwash plains and moraines with gently rolling to moderately steep terrain.
- KeC Keweenaw-Sayner-Vilas Complex, 1 to 15% slopes, Stony (16.78 acres 12.89% of Area of Interest) These soils consist of the well drained Keweenaw soils comprised of loamy sand over gravelly loamy sand, the excessively drained Sayner soils comprised of loamy sand over sand over gravelly coarse sand and the Vilas soils comprised of loamy sand over sand. These soils are formed on convex sidelopes, backslopes and shoulderslopes of moraines with nearly level to moderately steep terrain.
- Lo Loxley and Dawson Peats, 0 to 1% slopes (4.30 acres 3.31% of Area of Interest) These soils consist of the very poorly drained Lawson soils comprised of peat over muck and the very poorly drained Dawson soils comprised of peat over muck over sand. These soils are formed on concave and linear depressions and drainageways on outwash plains, lake plains and moraines with level to nearly level terrain.
- PaC Croswell Sand, 6 to 15 % slopes (4.55 acres 3.50% of Area of Interest) These soils consist of moderately well drained loamy sand soils over sand formed on linear rises and footslopes of outwash terraces, outwash plains and lake plains with gently rolling to moderately steep terrain.
- RoB Rubicon Sand, 0 to 6% slopes, Stony (24.72 acres 19.0% of Area of Interest) These soils consist of excessively drained sand soils formed on convex summits and shoulders of ground moraines, beach ridges and outwash plains with level to gently rolling terrain.
- SaB Sayner-Rubicon, 0 to 6% slopes (5.03 acres 3.90% of Area of Interest) These soils consist of the excessively drained Sayner soils comprised of sand over loamy sand over gravelly sand and the excessively drained Rubicon soils comprised of loamy sand over gravelly sand. These soils are formed on convex treads and summits of stream terraces and outwash plains with level to gently rolling terrain.
- SaC Croswell Sand, 6 to 15% slopes (7.99 acres 6.15% of Area of Interest) These soils consist of the excessively drained Sayner soils comprised of sand over loamy sand over gravelly sand and the excessively drained Rubicon soils comprised of loamy sand over gravelly sand. These soils are formed on convex treads and summits of stream terraces and outwash plains with gently rolling to moderately steep terrain.
- SaD Sayner Loamy Sand, 15 to 35% slopes, Stony (31.17 acres 23.96% of Area of Interest) These soils consist of the excessively drained Sayner soils comprised of sand over loamy sand over gravelly sand and the excessively drained Rubicon soils comprised of loamy sand over gravelly sand. These soils are formed on convex treads and summits of stream terraces and outwash plains with moderately steep to very steep terrain.
- Se Seelyeville and Markey Mucks, 0 to 1% slopes (0.31 acres 0.24% of Area of Interest) These soils consist of very poorly drained muck soils formed on linear and concave toeslopes and footslopes of drainageways and depressions on outwash plains, lake plains and moraines with level to nearly level terrain.

The hydric soils reports for the study area, including minor components, are shown below;



Table 1 – Hydric Soil Rating

Hydric Rating by Map Unit (WI)–Vilas County, Wisconsin								
Map Unit Symbol	Map Unit Name	Hydric Percent of Map Unit	Hydric Category	Landform Hydric Minor Components				
Au	Au Gres loamy sand, 0 to 3 percent slopes	5	WI Predominantly Nonhydric	Depressions				
CrA	Croswell sand, 0 to 4 percent slopes	0	WI Nonhydric	_				
CsA	Cublake loamy sand, 0 to 4 percent slopes	0	WI Nonhydric	-				
FeB	Fence-Alcona complex, 0 to 6 percent slopes	0	WI Nonhydric	_				
Ga	Gaastra silt loam, 0 to 2 percent slopes	2	WI Predominantly Nonhydric	Depressions				
KaC	Karlin loamy fine sand, 6 to 15 percent slopes	0	WI Nonhydric	_				
KeC	Keweenaw-Sayner-Vilas complex, 1 to 15 percent slopes, stony	0	WI Nonhydric	-				
Lo	Loxley and Dawson peats, 0 to 1 percent slopes	100	WI Hydric	_				
PaC	Padus sandy loam, 6 to 15 percent slopes	0	WI Nonhydric	-				
RoB	Rubicon sand, 0 to 6 percent slopes	1	WI Predominantly Nonhydric	Ground moraines				
SaB	Sayner-Rubicon complex, 0 to 6 percent slopes	0	WI Nonhydric	-				
SaC	Sayner-Rubicon complex, 6 to 15 percent slopes	0	WI Nonhydric	_				
SaD	Sayner-Rubicon complex, 15 to 35 percent slopes	0	WI Nonhydric	-				
Se	Seelyeville and Markey mucks, 0 to 1 percent slopes	100	WI Hydric	_				

Table 2 – Hydric Soils List – All Components

Hydr	Hydric Soil List - All Components–WI125-Vilas County, Wisconsin									
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)					
Au: Au Gres loamy sand, 0 to 3 percent slopes	Au Gres	75-100	Terraces,hillslopes,dra inageways,flats	No	_					
	Croswell	0-10	Terraces,hillslopes,flat	No	_					
	Kinross	0-10	Depressions	Yes	2,3					
	Flink	0-5	Terraces,hillslopes,dra inageways,flats	No	_					
CrA: Croswell sand, 0 to 4 percent slopes	Croswell	85-95	Rises,stream terraces	No	_					
	Au Gres	0-5	Outwash plains	No	_					
	Cublake	0-5	Outwash terraces,outwash plains,lake plains	No	_					
	Vilas	0-5	Pitted outwash plains,outwash plains,moraines	No	_					

Table 2 – Hydric Soils List – All Components - Continued



Hydr	ic Soil List - All Comp	onents-WI1	125-Vilas County, Wisco	onsin	
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
CsA: Cublake loamy sand, 0 to 4 percent slopes	Cublake	65-95	Outwash terraces,outwash plains,lake plains	No	_
	Flink	0-10	Outwash plains,lake plains,outwash terraces,lake terraces	No	_
	Croswell	0-10	Outwash plains,stream terraces	No	_
	Vilas	0-10	Outwash plains,pitted outwash plains,moraines	No	_
	Annalake	0-5	Moraines,outwash plains,lake plains	No	_
FeB: Fence-Alcona complex, 0 to 6 percent slopes	Fence	60	Moraines,outwash plains,lake plains	No	_
	Alcona	40	Moraines,outwash plains,lake plains	No	_
Ga: Gaastra silt loam, 0 to 2 percent slopes	Gaastra	98	Drainageways on outwash plains,depressions on outwash plains,drainageway s on moraines,depression s on lake plains,depressions on moraines,drainage ways on lake plains	No	_
	Dawson	2	Depressions	Yes	1,3
KaC: Karlin loamy fine sand, 6 to 15 percent slopes	Karlin-Moderately deep to sandy substratum	100	Outwash plains,moraines	No	_
KeC: Keweenaw-Sayner-Vilas complex, 1 to 15 percent slopes, stony	Keweenaw-Stony	20-80	Moraines	No	_
	Vilas-Stony	10-40	Moraines	No	_
	Sayner-Stony	10-40	Moraines	No	_
	Pence-Stony	0-10	Moraines	No	_
	Vilas-Till substratum, stony	0-14	Moraines	No	_
	Croswell-Stony	0-10	Moraines	No	_
	Springstead-Stony	0-10	Moraines	No	_
Lo: Loxley and Dawson peats, 0 to 1 percent slopes	Loxley	65	Drainageways on outwash plains,drainageway s on lake plains,drainageway s on moraines,depressions on outwash plains,depressions on lake plains,depressions on moraines on moraines	Yes	1,3



Table 2 – Hydric Soils List – All Components - Continued

нуа	TIC SOII LIST - AII COMP	onents-wi	125-Vilas County, Wisco	I	
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Dawson	35	Drainageways on outwash plains,drainageway s on lake plains,drainageway s on moraines,depression s on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3
PaC: Padus sandy loam, 6 to 15 percent slopes	Padus	70-100	Eskers,kames,hillslop es	No	_
	Pence	0-15	Eskers,kames,hillslop es	No	-
	Padus-Stony	0-5	Eskers,kames,hillslop es	No	_
	Sayner	0-5	Eskers,kames,hillslop es	No	_
	Stambaugh	0-5	Hillslopes	No	_
RoB: Rubicon sand, 0 to 6 percent slopes	Rubicon	80-100	Ground moraines,beach ridges,outwash plains	No	_
	Kalkaska	0-10	Outwash plains	No	_
	Croswell	0-10	Ground moraines,beach ridges,outwash plains	No	_
	Au Gres	0-10	Outwash plains	No	_
	Kinross	0-5	Ground moraines,outwash plains	Yes	2,3
SaB: Sayner-Rubicon complex, 0 to 6 percent slopes	Sayner	65	Stream terraces,outwash plains	No	_
	Rubicon	35	Stream terraces,outwash plains	No	_
SaC: Sayner-Rubicon complex, 6 to 15 percent slopes	Sayner	65	Stream terraces,outwash plains	No	_
	Rubicon	35	Stream terraces,outwash plains	No	_
SaD: Sayner-Rubicon complex, 15 to 35 percent slopes	Sayner	70	Stream terraces,outwash plains	No	_
	Rubicon	30	Stream terraces,outwash plains	No	_



Table 2 - Hydric Soils List - All Components - Continued

Hydric Soil List - All Components-WI125-Vilas County, Wisconsin									
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)				
Se: Seelyeville and Markey mucks, 0 to 1 percent slopes	Seelyeville	75	Drainageways on outwash plains,drainageway s on lake plains,drainageway s on moraines,depression on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3				
	Markey	25	Drainageways on outwash plains,drainageway s on lake plains,drainageway s on moraines,depression s on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3				

Hydric soil criteria codes 1, 2 and 3 are defined as follows;

- 1. All Histels except for Folistels, and Histosols except for Folists.
- 2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
 - Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - b. Show evidence that the soil meets the definition of a hydric soil;
- 3. Soils that are frequently ponded for long or very long duration during the growing season.
 - a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - b. Show evidence that the soil meets the definition of a hydric soil;

An antecedent precipitation evaluation was conducted for the three months prior the site visits using the USACE APT. The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visits. The Palmer Drought Index also indicates climatic conditions were wetter than normal (Moderately Moist, +2.00 to +2.99) at the time of the site visits. Based on evaluation of both sources of data it was determined climatic conditions were wetter than normal at the time of the site visits. The antecedent precipitation evaluation, WETS data and Palmer Drought Index reports for the area at the time of the site visits are included in Appendix B.

FIELD DELINEATION

Ten wetlands (Wetlands 1 through 10) were delineated during the site visits. The following section describes the wetlands identified within the Study Area and the basis for determining the wetland boundaries. See Appendix A for Wetland Data Forms. Refer to Figure 2 for the location of the wetlands and each sample transect. Site photos are included in Appendix C.

The Wetland Data Sheets classify the wetland according to the Cowarden classification system. The wetland boundaries were identified using procedures identified in the 1987 Corp of Engineers Wetlands Delineation Manual and Northcentral/Northeast Regional Supplement, including observations of



transitions in wetland hydrology, vegetation and soils, as well as topographical position and best professional judgment.

DELINEATED WETLANDS

Wetland 1

Wetland 1 is located in the southeast portion of the Study Area and is +/- 2.765 acres in size. Wetland 1 extends beyond the Study Area to the east. Wetland 1 is classified as a Wooded Swamp community. The WWI map indicates the presence of one large wetland complex identified as a T8K community in the vicinity of Wetland 1. Wetland indicator soils are also mapped within the vicinity of Wetland 1.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with red pine (*Pinus resinosa*), eastern white pine (*Pinus strobus*), red maple (*Acer rubrum*), balsam fir (*Abies balsamea*), Pennsylvania sedge (*Carex pensylvanica*), running ground pine (*Lycopodium clavatum*) and bracken fern (*Pteridium aqualinum*) being common dominant species in the upland areas transitioning to tamarack (*Larix laricina*), black spruce (*Picea mariana*), red maple, eastern white pine and sphagnum moss (*Sphagnum magellanicum*) being the dominant species in the wetland areas.

Hydrology within wetland areas was obvious with geomorphic position and high water table being the most evident indicators. Soils consisted primarily of muck and mucky peat or muck overlying low chroma sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 1-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (80.0%) and the Prevalence Index (1.989) being met. The dominant vegetation at the sample plot included red maple, black spruce, eastern white pine and sphagnum moss. Saturation and high water table were observed at the soil surface. Primary wetland hydrology indicators A2 (High Water Table), A3 (Saturation), B9 (Water-Stained Leaves) and secondary indicators D2 (Geomorphic Position) and D5 (FAC-neutral Test) were present. NRCS hydric soil indicator A1 (Histosol) was present.

<u>Plot Wet 1-2</u>:

The plant community met wetland vegetation criteria with the Dominance Test (75.0%) and the Prevalence Index (1.698) being met. The dominant vegetation at the sample plot included tamarack, black spruce, eastern white pine and sphagnum moss. Saturation was observed at the soil surface and high water table at -1 inch below the soil surface. Primary wetland hydrology indicators A2, A3 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator A2 (Histic Epipedon) was present.

Wetland 2

Wetland 2 is located in the northeastern portion of the Study Area and is +/- 8.855 acres in size. Wetland 2 extends beyond the Study Area to the south and east. Wetland 2 is classified as a Wooded Swamp community. The WWI map indicates the presence of one large wetland complex identified as a T8K community in the vicinity of Wetland 2. Wetland indicator soils are also mapped within the vicinity of Wetland 2.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, eastern white pine, eastern hemlock (*Tsuga canadensis*), bracken fern, slender rosette grass (*Dichanthelium xanthophysum*), princess pine (*Dendrolycopodium obscurum*), low-bush blueberry (*Vaccinium angustifolium*), American starflower (*Trientalis borealis*) and running ground pine being



common dominant species in the upland areas transitioning to tamarack, red maple, black spruce, eastern white pine, eastern hemlock, sphagnum moss, cinnamon fern (Osmunda cinnamomea), two-seeded bog sedge (Carex disperma), spinulose wood fern (Dryopteris carthusiana), three-leaved goldthread (Coptis trifolia) and brome-like sedge (Carex disperma) being the dominant species in the wetland areas.

Hydrology within wetland areas was obvious with geomorphic position and high water table being the most evident indicators. Soils consisted primarily of thick muck or a thin muck layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 2-1</u>: The plant community met wetland vegetation criteria with the Dominance

Test (87.5%) and the Prevalence Index (1.648) being met. The dominant vegetation at the sample plot included tamarack, red maple, black spruce, eastern white pine, balsam fir, sphagnum moss and cinnamon fern. Surface water was observed at +1 inch above the soil surface. Primary wetland hydrology indicators A1 (Surface Water), A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator A1 was present.

<u>Plot Wet 2-2:</u> The plant community met wetland vegetation criteria with the Dominance

Test (100.0%) and the Prevalence Index (1.723) being met. The dominant vegetation at the sample plot included black spruce, balsam fir, sphagnum moss and two-seeded bog sedge. Saturation was observed at the soil surface and high water table at -2 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. Soils were considered naturally problematic but met NRCS hydric

soil indicator A10 (2 cm Muck) was present.

<u>Plot Wet 2-3</u>: The plant community met wetland vegetation criteria with the Dominance

Test (83.3%) and the Prevalence Index (2.719) being met. The dominant vegetation at the sample plot included red maple, balsam fir, eastern hemlock, spinulose wood fern, three-leaved goldthread and brome-like sedge. Saturation was observed at the soil surface and high water table at -5 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and

secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 (Depleted Below Dark Surface) and F3 (Depleted Matrix) were present.

<u>Plot Wet 2-4</u>: The plant community met wetland vegetation criteria with the Dominance

Test (83.3%) and the Prevalence Index (2.719) being met. The dominant vegetation at the sample plot included red maple, balsam fir, eastern hemlock, spinulose wood fern, three-leaved goldthread and brome-like sedge. Saturation was observed at the soil surface and high water table at -5 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators

A11 (Depleted Below Dark Surface) and F3 (Depleted Matrix) were present.

Wetland 3

Wetland 3 is located in the northeastern portion of the Study Area and is \pm 0.065 acres in size. Wetland 3 is entirely contained within the Study Area. Wetland 3 is classified as a Wooded Swamp community. No wetlands are mapped in the area of Wetland 3 although wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with the wetland identified in a swale at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with eastern hemlock, yellow birch (*Betula allegheniensis*), red maple, balsam fir, running ground pine and bracken



fern being common dominant species in the upland areas transitioning to red maple, yellow birch and brome-like sedge being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and high water table being the most evident indicators. Soils consisted primarily of a thin muck layer overlying depleted loamy sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 3-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (2.788) being met. The dominant vegetation at the sample plot included red maple, yellow birch and brome-like sedge. Saturation was observed at the soil surface and high water table at -6 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 (Depleted Below Dark Surface) and S5 (Sandy Redox) were present.

Wetland 4

Wetland 4 is located in the northeastern portion of the Study Area and is +/- 0.139 acres in size. Wetland 4 is entirely contained within the Study Area. Wetland 4 is classified as a Wooded Swamp community. No wetlands are mapped in the area of Wetland 4 although wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, eastern hemlock and slender rosette grass being common dominant species in the upland areas transitioning to yellow birch, eastern white pine, balsam fir, sphagnum moss and two-seeded bog sedge being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thin muck and peat surface layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 4-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (80.0%) and the Prevalence Index (2.517) being met. The dominant vegetation at the sample plot included yellow birch, eastern white pine, balsam fir, sphagnum moss and two-seeded bog sedge. Surface water was observed at +2 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 and F3 (Depleted Matrix) were present.

Wetland 5

Wetland 5 is located in the northeastern portion of the Study Area and is +/- 0.051 acres in size. Wetland 5 is entirely contained within the Study Area. Wetland 5 is classified as a Wooded Swamp community. No wetlands are mapped in the area of Wetland 5 although wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, yellow birch, Canada mayflower (*Maianthemum canadense*) and running ground pine being common dominant species in the upland areas transitioning to



balsam fir, eastern hemlock, sphagnum moss and two-seeded bog sedge being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thin mucky peat surface layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 5-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (75.0%) and the Prevalence Index (2.278) being met. The dominant vegetation at the sample plot included balsam fir, eastern hemlock, sphagnum moss and two-seeded bog sedge. Surface water was observed at +2 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 and F3 (Depleted Matrix) were present.

Wetland 6

Wetland 6 is located in the northeastern portion of the Study Area and is +/- 0.519 acres in size. Wetland 6 is entirely contained within the Study Area. Wetland 6 is classified as a Wooded Swamp community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 6. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, yellow birch, red maple, low-bush blueberry and American starflower being common dominant species in the upland areas transitioning to eastern white pine, red maple, black spruce, sphagnum moss and two-seeded bog sedge being the dominant species in the wetland area. The upland sample plot met the Dominance Test due to Facultative (FAC) species but soils were not hydric, no hydrology indicators were observed and topographic position was indicative of upland conditions.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thin muck and peat surface layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 6-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (83.3%) and the Prevalence Index (2.269) being met. The dominant vegetation at the sample plot included eastern white pine, red maple, black spruce, balsam fir, sphagnum moss and two-seeded bog sedge. Surface water was observed at +6 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B7 (Inundation Visible on Aerial Imagergy), B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 and F3 (Depleted Matrix) were present.

Wetland 7

Wetland 7 is located in the northern portion of the Study Area and is +/- 0.677 acres in size. Wetland 7 is entirely contained within the Study Area. Wetland 7 is classified as a Wet Meadow community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 7. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation,



soils and hydrology were rather abrupt with northern red oak (*Quercus rubra*), quaking aspen (*Populus tremuloides*), balsam fir, eastern white pine, hairy woodland brome (*Bromus pubescens*) and butter-and-eggs (*Linaria vulgaris*) being common dominant species in the upland areas transitioning to tamarack, wool-grass (*Scirpus cyperinus*), leatherleaf (*Ledum groenlandicum*) and Canada bluejoint (*Calamagrostis canadensis*) being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position and surface water being the most evident indicators. Soils consisted primarily of thick muck in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 7-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (1.328) being met. The dominant vegetation at the sample plot included tamarack, wool-grass, leatherleaf and Canada bluejoint. Surface water was observed at +8 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator A1 was present.

Wetland 8

Wetland 8 is located in the northeastern portion of the Study Area and is +/- 0.737 acres in size. Wetland 8 is entirely contained within the Study Area. Wetland 8 is classified as a Wooded Swamp/Bog community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 8. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with moderately steep to steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, red maple, running ground pine, Pennsylvania sedge and Canada mayflower being common dominant species in the upland areas transitioning to tamarack, black spruce, red maple, speckled alder (*Alnus incana ssp. rugosa*) and sphagnum moss being the dominant species in the wetland area. The upland sample plot met the Dominance Test due to FAC species but soils were not hydric, no hydrology indicators were observed and topographic position was indicative of upland conditions.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thick muck layer overlying depleted loamy sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 8-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (1.487) being met. The dominant vegetation at the sample plot included tamarack, black spruce, red maple, speckled alder and sphagnum moss. Surface water was observed at +5 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A2 (Histic Epipedon) and A11 were present.

Wetland 9

Wetland 9 is located in the northwestern portion of the Study Area and is +/- 0.273 acres in size. Wetland 9 is entirely contained within the Study Area. Wetland 9 is classified as a Wet Meadow community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 9. Wetland indicator soils are not mapped within the vicinity of this wetland.



The wetland boundaries were identified based on well defined topographic breaks with very steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with red maple, white birch (*Betula papyrifera*), red maple, eastern white pine, hairy wood sedge (*Carex hirtifolia*), slender rosette grass and princess' pine being common dominant species in the upland areas transitioning to yellow birch, eastern white pine, red maple and wild calla (*Calla palustris*) being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thick mucky sand layer overlying low chroma sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 9-1</u>:

The plant community met wetland vegetation criteria with the Dominance Test (75.0%) and the Prevalence Index (2.000) being met. The dominant vegetation at the sample plot included yellow birch, eastern white pine, red maple and wild calla. Surface water was observed at +9 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicator D2 were present. NRCS hydric soil indicator S1 (Sandy Muck Mineral) was present.

Wetland 10

Wetland 8 is located in the northwestern portion of the Study Area and is +/- 0.154 acres in size. Wetland 10 is entirely contained within the Study Area. Wetland 10 is classified as a Wet Meadow community. No wetlands or wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with very steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with red maple, white birch, eastern white pine, northern red oak, black cherry (*Prunus serotina*), bracken fern and hairy wood sedge being common dominant species in the upland areas transitioning to Canada bluejoint and sensitive fern (*Onoclea sensibilis*) being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position and surface water being the most evident indicators. Soils consisted primarily of mucky sand overlying low chroma sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

<u>Plot Wet 10-1</u>:

The plant community met wetland vegetation criteria with the Rapid Test for Hydrophytic Vegetation, the Dominance Test (100.0%) and the Prevalence Index (1.263) being met. The dominant vegetation at the sample plot included Canada bluejoint and sensitive fern. Surface water was observed at +7 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator S1 was present.

Sample plots SP1 through SP3

Sample plots SP1 through SP3 were taken to document upland conditions in a portion of the Study Area mapped as having wetland indicator soils. All sample plots were dominated by non-hydrophytic vegetation, soils were not hydric and no hydrology indicators were observed. The on-site visits did not find any indications of wetlands in these portions of the Study Area.



Vegetation found within representative wetland areas throughout the study area includes the following:

Scientific Name	Common Name	Indicator
Abies balsamea	Balsam Fir	FAC
Acer rubrum	Red Maple	FAC
Alnus incana ssp. rugosa	Speckled Alder	FACW
Betula allegheniensis	Yellow Birch	FAC
Calamagrostis canadensis	Canada Bluejoint	OBL
Calla palustris	Wild Calla	OBL
Carex bromoides	Brome-Like Sedge	FACW
Carex brunnescens	Green Bog Sedge	FACW
Carex disperma	Two-Seeded Bog Sedge	OBL
Carex lacustris	Lake Sedge	OBL
Coptis trifolia	Three-Leaved Gold-Thread	FACW
Dryopteris carthusiana	Spinulose Wood Fern	FACW
Gaultheria hispidula	Creeping Snowberry	FACW
Glyceria striata	Fowl Manna Grass	OBL
Iris versicolor	Blue Flag	OBL
Larix laricina	Tamarack	FACW
Ledum groenlandicum	Labrador Tea	OBL
Onoclea sensibilis	Sensitive Fern	FACW
Osmunda cinnamonea	Cinnamon Fern	FACW
Picea mariana	Black Spruce	FACW
Pinus strobus	Eastern White Pine	FACU
Prunus serotina	Black Cherry	FACU
Sphagnum magellanicum	Sphagnum Moss	OBL
Spiraea tomentosa	Steeplebush	FACW
Trientalis borealis	American Starflower	FAC
Tsuga canadensis	Eastern Hemlock	FACU
Typha latifolia	Broad-Leaved Cattail	OBL

Vegetation found within representative upland areas throughout the study area includes the following:

Scientific Name	Common Name	Indicator
Abies balsamea	Balsam Fir	FAC
Acer rubrum	Red Maple	FAC
Betula allegheniensis	Yellow Birch	FAC
Betula papyrifera	White Birch	FACU
Bromus pubescens	Hairy Woodland Brome	FACU
Carex hirtifolia	Hairy Wood Sedge	UPL
Carex ormostachya	Necklace-Spike Wood Sedge	UPL
Carex pensylvanica	Pennsylvania Sedge	UPL
Coptis trifolia	Three-Leaved Gold-Thread	FACW
Dendrolycopodium obscurum	Princess' Pine	FACU
Dichanthelium xanthophysum	Slender Rosette Grass	UPL
Gymnocarpium dryopteris	Western Oak Fern	FACU
Linaria vulgaris	Butter-and-Eggs	UPL
Lycopodium clavatum	Running Ground Pine	FAC
Maianthemum canadense	Canada Mayflower	FACU
Pinus resinosa	Red Pine	FACU
Pinus strobus	Eastern White Pine	FACU
Poa pratensis	Kentucky Bluegrass	FACU
Populus tremuloides	Quaking Aspen	FAC



Prunus virginiana	Chokecherry	FACU
Pteridium aqualinum	Bracken Fern	FACU
Quercus rubra	Northern Red Oak	FACU
Trientalis borealis	American Starflower	FAC
Tsuga canadensis	Eastern Hemlock	FACU
Vaccinium angustifolium	Low-Bush Blueberry	FACU
Veronica officinalis	Common Speedwell	FACU
Viola canadensis	Canadian White Violet	FACU

The wetland edges were flagged based on the transition from upland vegetation to wetland vegetation and transitions in soil and hydrology observed at upland and wetland sample points.



Conclusions

The wetland delineation was conducted on May 19 and 22, 2023 by Ms. Ann Key, a WDNR Professionally Assured Wetland Delineator. The intent of the delineation was to identify wetlands for purposes of permitting a proposed condominium development within the Study Area. The Study Area is comprised of primarily of existing golf course, undisturbed upland forest and undisturbed wooded, shrub and bog swamp. The maintained golf course areas were considered to have Significantly Disturbed vegetation for purposes of wetland delineation but no other recent disturbances were observed and the portions of the Study Area where wetlands were identified was considered to have normal circumstances.

The WWI map was reviewed and indicates the presence of one large (> 2 acres) wetland complex spanning the eastern portions of Study Area, as well as four small (< 2 acres) wetland symbols and one USDA wet spot. The WWI map identifies the larger wetland complex as being comprised of the following community types; T8K and S6/W0H.

The wetland indicator soils layer was reviewed and identifies wetland indicator soils within the same general areas of the Study Area as mapped wetland complex and extending beyond to the north and east of the mapped wetland complex. Indicator soils are soils which are commonly found in wetlands or have inclusions of soils that are commonly found in wetlands.

The WDNR SWDV was also reviewed identifies Voyageur Lake immediately south of the Study Area as a PNW Walleye and Musky Area.

Ten wetlands (Wetlands 1 through 10) were delineated during the site visits. The Wetland Data Sheets classify the wetlands according to the Cowarden *Classification of Wetlands and Deepwater Habitats of the United States* (U.S. Fish and Wildlife Service, 1979) classification system.

An antecedent precipitation evaluation was conducted for the three months prior the site visits using the USACE APT. The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. The Palmer Drought Index also indicates climatic conditions were wetter than normal (Moderately Moist +2.00 to +2.99) at the time of the site visits. Based on evaluation of both sources of data it was determined climatic conditions were wetter than normal at the time of the site visits.

All wetland sample plots met wetland vegetation criteria with a dominance of hydrophytic species. Hydric soil criteria was met at all wetland sample plots with the following indicators observed and recorded where applicable; A1, A2, A10, A11, S1, F1 and F3.

All wetland sample plots displayed both primary and secondary hydrology indicators and the following hydrology indicators were recorded where applicable; A1, A2, A3, B7, B9, D2 and D5.

Wetland boundaries were identified using procedures outlined in the 1987 Corps of Engineering Wetland Delineation Manual and Northcentral/Northeast Regional Supplement. The areas identified as wetland were identified based on transitions from wetland to upland vegetation, hydrology indicators and hydric soil indicators, or lack thereof, in wetland areas versus upland areas, topographical position and best professional judgment.

The findings of this wetland delineation report are only valid for the site conditions which existed at the time of this investigation. All wetland boundaries and jurisdictional determinations presented in this report are preliminary and subject to verification by USACE. The final authority for wetland boundaries and permit requirements rests with the government agencies which have jurisdiction over this project. Findings of this



wetland delineation are subject to revision based upon natural or induced changes in weather, vegetation management, land use, topography, surface water flow, subsurface drainage, stormwater management, within or near the project site which may affect the soils, hydrology, or vegetative community on the project site.

This report provides a description of existing wetland conditions within the Study Area and does not include quantification of any temporary or permanent impacts to wetlands or waterbodies. Such impacts would require review and approval from a variety of agencies. Activities which impact or potentially impact jurisdictional wetlands, are currently regulated at several levels of government. Federal (USACE), State (WDNR) and local government agencies may all be involved in reviewing a single project. To avoid potential penalties and project delays it is necessary to acquire necessary permits and approvals from all jurisdictional agencies before initiating activities in wetlands. It is important to obtain USACE concurrence on the wetland boundaries prior to proceeding with activities at the site.



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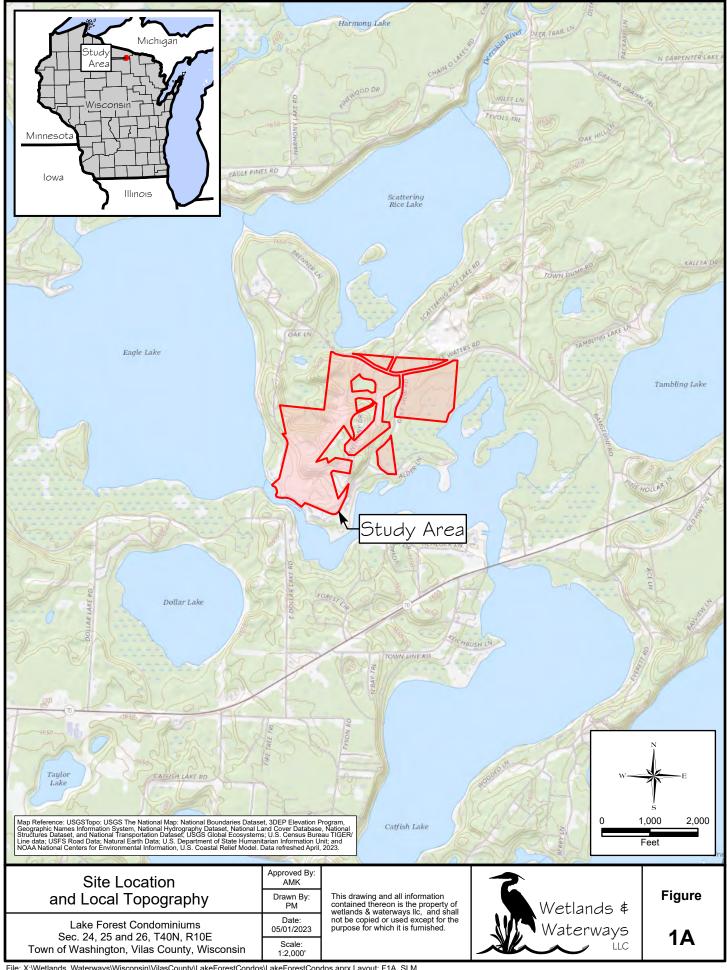
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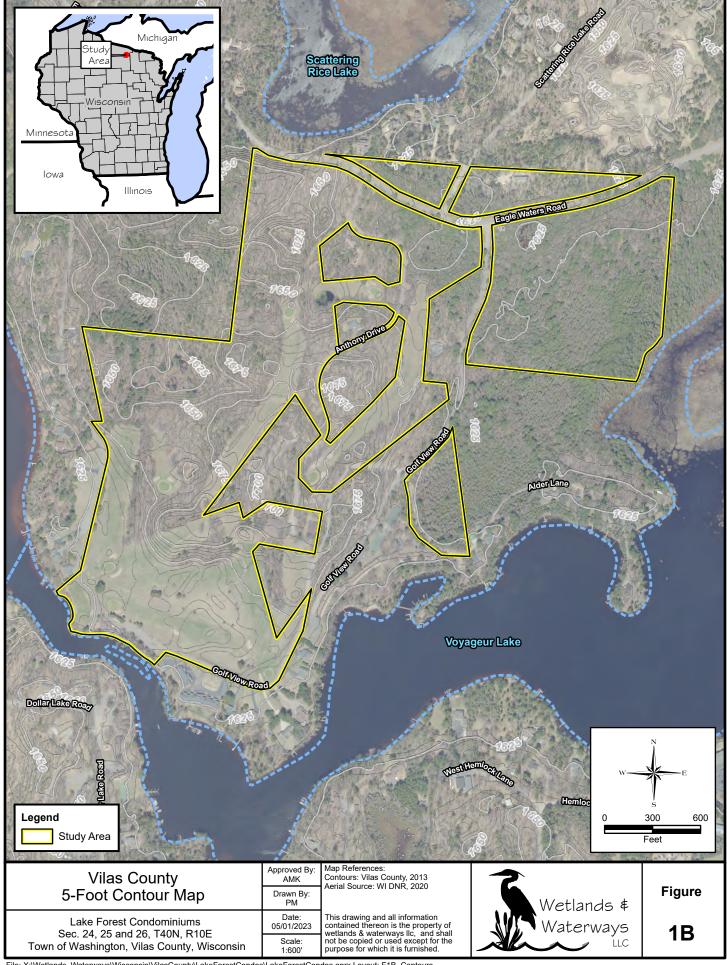
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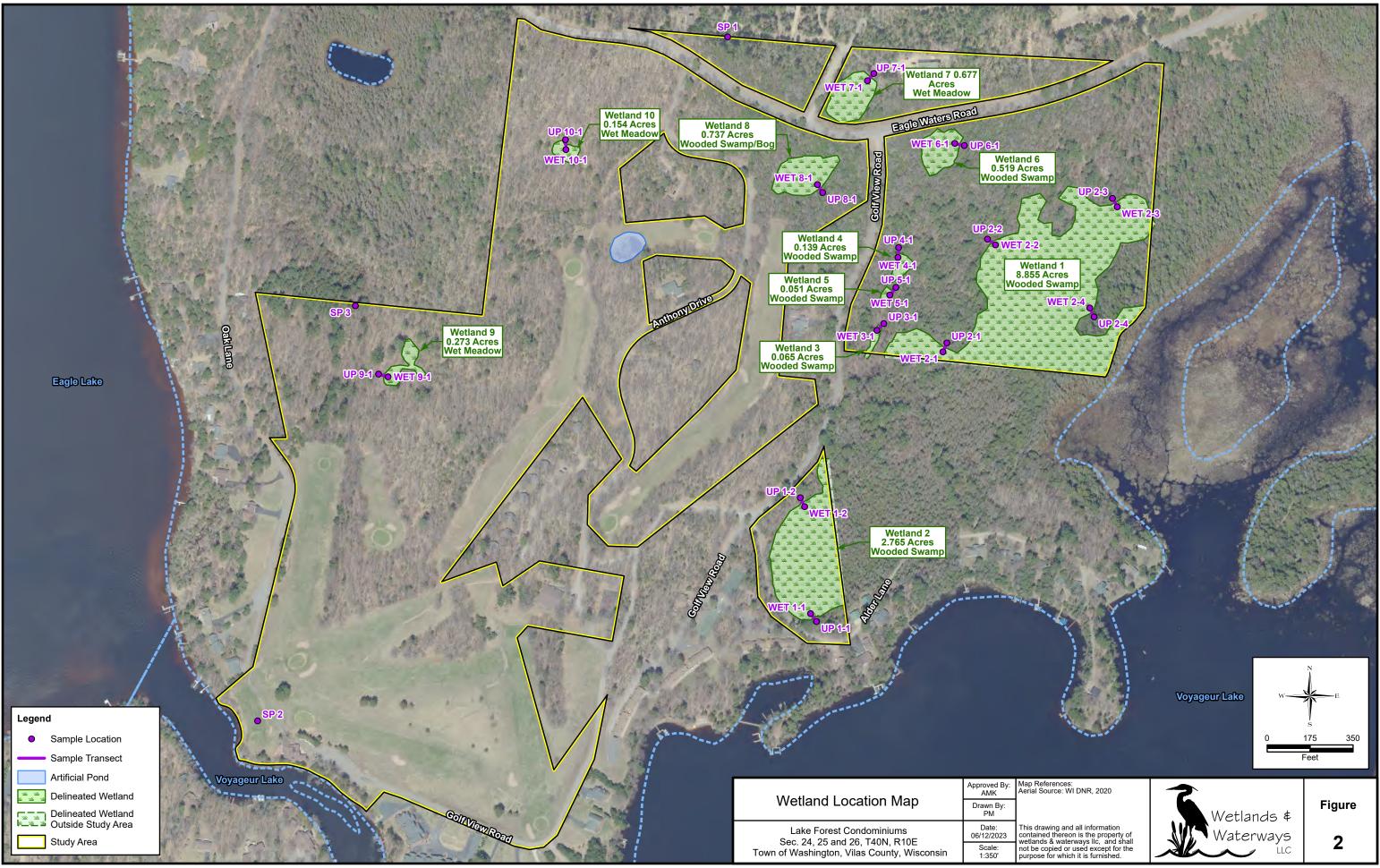
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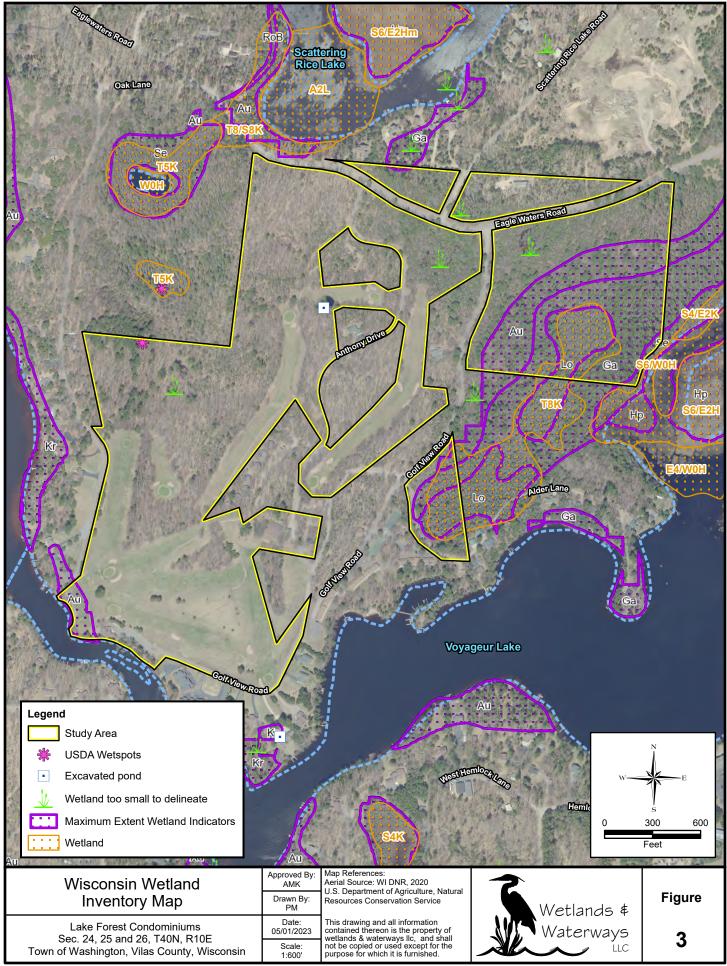


SITE FIGURES















Study Area



Au, Au Gres loamy sand; 0 to 3 percent slopes, Consociation

CrA,Croswell sand; 0 to 4 percent slopes,Consociation

CsA,Cublake loamy sand; 0 to 4 percent slopes,Consociation

FeB,Fence-Alcona complex; 0 to 6 percent slopes,Complex

Ga,Gaastra silt loam; 0 to 2 percent slopes, Consociation

KaC, Karlin loamy fine sand; 6 to 15 percent slopes,Consociation

KeC,Keweenaw-Sayner-Vilas complex; 1 to 15 percent slopes; stony,Complex

Lo,Loxley and Dawson peats; 0 to 1 percent slopes,Undifferentiated group

PaC,Padus sandy loam; 6 to 15 percent slopes,Consociation

RoB,Rubicon sand; 0 to 6 percent slopes, Consociation

SaB,Sayner-Rubicon complex; 0 to 6 percent slopes,Complex

SaC, Sayner-Rubicon complex; 6 to 15 percent slopes,Complex

SaD, Sayner-Rubicon complex; 15 to 35 percent

Se,Seelyeville and Markey mucks; 0 to 1 percent slopes,Undifferentiated group W,Water,Consociation

600 300 Feet

Vilas County Soil Survey Map

Lake Forest Condominiums Sec. 24, 25 and 26, T40N, R10E Town of Washington, Vilas County, Wisconsin Approved By: Drawn By: PM

Date: 05/01/2023

Scale 1:600

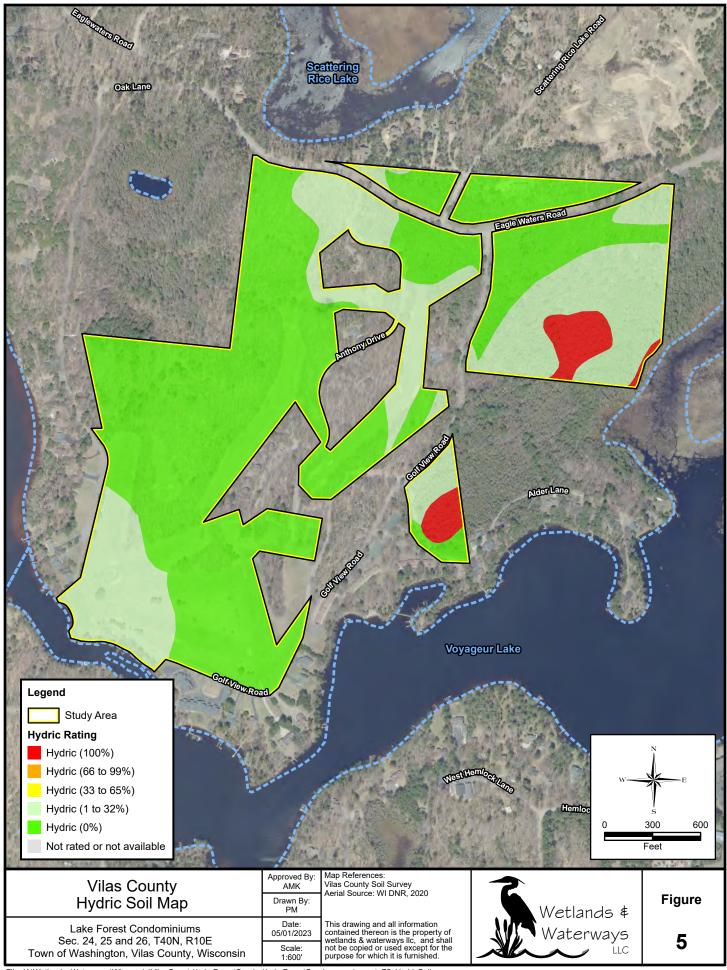
Map References: Vilas County Soil Survey Aerial Source: WI DNR, 2020

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Figure

4





APPENDIX A – FIELD DATA SHEETS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 1-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 25 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9255463979 Long.: -89.1880208234 Datum: WGS84
Soil Map Unit Name: Croswell sand; 0 to 4 percent slopes	NWI classification: PFO7
Are climatic/hydrologic conditions on the site typical for this time of y	
	, ,,,, ,, ,
	, and the state of
	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
community.	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1)	Surface Soil Cracks (B6)
☐ Surface Water (A1) ☑ Water-Stained Lea ☑ High Water Table (A2) ☐ Aquatic Fauna (B1)	
Saturation (A3) Marl Deposits (B1)	
Water Marks (B1) Hydrogen Sulfide	
	heres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Reduc	
Algal Mat or Crust (B4)	uction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	e (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in F	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes • No O Depth (inches):	0 Wetland Hydrology Present? Yes ● No ○
Saturation Present? Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial photo	tos, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determine sample plot meets wetland hydrology criteria.	ned climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - Use scientific names of plants.

VEGETATION - Use scientific fiames of pia	Sampling Point: Wet 1-1				
(D)	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species	
1 Acer rubrum		✓	FAC	That are OBL, FACW, or FAC: 4 (A)	
2. Picea mariana		✓	FACW	Total Number of Dominant	
3. Larix laricina			FACW	Species Across All Strata:5(B)	
4. Pinus strobus			FACU	Percent of dominant Species	
5. Gaultheria hispidula			FACW	That Are OBL, FACW, or FAC: 80.0% (A/B)	
6					
7				Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: 15' radius)	=	= Total Cove	r	Total % Cover of: Multiply by:	
1 Pinus strobus	10	✓	FACU	OBL species 70 x 1 = 70	
2. Picea mariana	5	~	FACW	FACW species $65 \times 2 = 130$	
3. Abies balsamea	3		FAC	FAC species $38 \times 3 = 114$	
4	0			FACU species $\frac{15}{0}$ x 4 = $\frac{60}{0}$	
5	0			UPL species $0 \times 5 = 0$	
6	0			Column Totals: <u>188</u> (A) <u>374</u> (B)	
7	0			Prevalence Index = B/A = <u>1.989</u>	
Herb Stratum (Plot size: 5' radius)	18=	= Total Cove	r	Hydrophytic Vegetation Indicators:	
				Rapid Test for Hydrophytic Vegetation	
1 Sphagnum magellanicum		~	OBL	✓ Dominance Test is > 50%	
2. Picea mariana			FACW	✓ Prevalence Index is ≤3.0 ¹	
3. Trientalis borealis	_		FAC	Morphological Adaptations ¹ (Provide supporting	
4. Carex bromoides	-		FACW FACW	data in Remarks or on a separate sheet)	
5. Carex brunnescens			FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
6				¹ Indicators of hydric soil and wetland hydrology must	
7				be present, unless disturbed or problematic.	
8				Definitions of Vegetation Strata:	
9 10				Tree Meaninglests (7.0 cm) common in discrete	
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
12					
	-	= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall	
Woody Vine Stratum (Plot size: 30' radius)				greater than 3.20 ft (1111) tail	
1,	0			Herb - All herbaceous (non-woody) plants, regardless of	
2				size, and woody plants less than 3.28 ft tall.	
3	-			Woody vine - All woody vines greater than 3.28 ft in	
4				height.	
	=	= Total Cove	٢		
				Hydrophytic	
				Vegetation	
				Present? Yes VO	
Remarks: (Include photo numbers here or on a separate sh	eet.)				
Vegetation meets wetland criteria.					

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 1-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Depth									_				
(inches)	Color (%	Colo	r (moist)		Type 1	Loc ²	Texture		Rer	marks	
0-8	7.5YR	2.5/3	100			-		-	Peaty Muck				
8-20	7.5YR	2.5/1	100	-		-			Muck				
									-				
			-	-		-		-	-				
		-	-			-							
1- 0.0									51 5 1				
		=Depletioi	n. RM=Rec	luced Matrix	c, CS=Covere	ed or Coate	ed Sand Gra	ains ² Loca	tion: PL=Pore Lining. N	4=Mat	rix		
Hydric Soil I							GO) # 5 =		Indicators for Pr	roblen	natic Hydri	ic Soils: 3	
Histosol (A	•				lyvalue Belov _RA 149B)	w Surface (S8) (LRR F	ι,	2 cm Muck (A	.10) (Li	RR K, L, ML	RA 149B)	
	edon (A2)				in Dark Surfa	ace (S9) (L	RR R, MLF	A 149B)	Coast Prairie F	Redox	(A16) (LRR	K, L, R)	
Black Histi	Sulfide (A4)				amy Mucky I			-	5 cm Mucky P	eat or	Peat (S3) (I	LRR K, L, R)	
	Layers (A5)				amy Gleyed				Dark Surface				
	Below Dark S	Surface (A	11)	☐ De	pleted Matri	x (F3)			Polyvalue Belo				
	Surface (Al		/	Re	dox Dark Su		☐ Thin Dark Sur						
	ck Mineral (S			☐ De	pleted Dark	Surface (F7	7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R)				
	yed Matrix (•		☐ Re	dox Depress	ions (F8)						(MLRA 149B)	
Sandy Red		- ,							Mesic Spodic			A, 145, 149B)	
Stripped M									☐ Red Parent Ma			2)	
☐ Dark Surfa	ace (S7) (LRI	R R, MLRA	149B)						Other (Explain			2)	
³ Indicators of	hydronhytic	vegetatio	n and wetl:	and hydrolo	av must he r	resent unl	lecc dicturk	ed or proble		I III IXC	illarks)		
			T and Well	and mydrolo	gy mast be p	reserve, arm	icoo diotari	ca or proble					
Restrictive La	ayer (IT obs	ervea):											
Type: Depth (inch									Hydric Soil Presen	ıt?	Yes •	No O	
• •	les):												
Remarks:													
Soils meet hy	dric soil cri	teria.											
ı													
ı													
1													

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23				
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 1-1				
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 25 T. T40N R. 10E				
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 8.0 % / 4.6 °				
Subregion (LRR or MLRA): LRR K Lat.:	45.9254588563 Long.: -89.1879261352 Datum: WGS84				
Soil Map Unit Name: Croswell sand; 0 to 4 percent slopes	NWI classification:				
Are climatic/hydrologic conditions on the site typical for this time of y	(a) a.p.a				
	-,				
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)				
	sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No •	To the Samuled Area				
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes ○ No ●				
Wetland Hydrology Present? Yes ○ No •					
Hydrology					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)				
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Le	Surface Soil Cracks (B6)				
☐ Surface Water (A1) ☐ Water-Stained Lei ☐ High Water Table (A2) ☐ Aquatic Fauna (B:	` ,				
Saturation (A3) Marl Deposits (B1					
Water Marks (B1) Hydrogen Sulfide					
	neres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
☐ Drift deposits (B3) ☐ Presence of Redu					
Algal Mat or Crust (B4)	ction in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5)	e (C7) Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Explain in					
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes No Depth (inches):					
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	ige)				
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:				
Remarks:					
	ed climatic conditions were wetter than normal for the time of the site visit. This				

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
, , , , , , , , , , , , , , , , , , ,	% Cover		Status	Number of Dominant Species
1 Pinus resinosa	60	✓	FACU	That are OBL, FACW, or FAC: (A)
2. Abies balsamea	30	✓	FAC	Takel Number of Densirent
3	0			Total Number of Dominant Species Across All Strata: 4 (B)
4	_			(5)
5.	-			Percent of dominant Species
				That Are OBL, FACW, or FAC: 50.0% (A/B)
6				Prevalence Index worksheet:
7				1
Sapling/Shrub Stratum (Plot size: 15' radius)	90 =	= Total Cover	•	Total % Cover of: Multiply by:
4. Abiaa balaamaa	15	✓	FAC	OBL species x 1 =
1 Ables balsamea 2.				FACW species x 2 =
				FAC species <u>48</u> x 3 = <u>144</u>
3	_			FACU species $62 \times 4 = 248$
4	-			UPL species $30 \times 5 = 150$
5				
6	0			Column Totals: <u>140</u> (A) <u>542</u> (B)
7	0			Prevalence Index = $B/A = 3.871$
		= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' radius)				Rapid Test for Hydrophytic Vegetation
1_Carex pensylvanica	30	✓	UPL	
2 Lycopodium clavatum	3		FAC	Dominance Test is > 50%
3. Maianthemum canadense			FACU	Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
5				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Streets:
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				greater than 6.20 it (1111) tail
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2.				size, and woody plants less than 3.28 ft tall.
3	0			Woody vine All woody vines greater than 2.29 ft in
1	0			Woody vine - All woody vines greater than 3.28 ft in height.
4.	0 =	= Total Cover		- No.g. N.
		- Total Covel		
				Hydrophytic
				Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation does not meet wetland criteria.	,			
regetation does not meet wedand criteria.				

Sampling Point: Up 1-1

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 1-1

Depth		Matrix			dox Feature			_					
(inches)	Color (m			Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Rem	arks			
0-2	5YR	3/1	100		-			Sandy Loam					
2-3	5YR	5/2	100					Sandy Loam	E Horizon				
3-20		4/6	100		<u>-</u>		-	Sand	-				
									-				
									-				
		D l - 1:-						Di Bara Union M M					
ype: C=Con lydric Soil 1		Depletio	n. KM=Kedi	iced Matrix, CS=Cover	ed or Coated S	Sand Grain	is ² Loca	Indicators for Problem		Soils: 3			
Histosol (Polyvalue Belo	w Surface (S8) (LRR R,		2 cm Muck (A10)					
Histic Epi	pedon (A2)			MLRA 149B)				Coast Prairie Redo					
Black Hist	tic (A3)			☐ Thin Dark Surf			149B)	5 cm Mucky Peat					
Hydrogen Sulfide (A4)		Loamy Mucky		RR K, L)		Dark Surface (S7) (LRR K, L, M)							
Stratified	Layers (A5)			Loamy Gleyed				Polyvalue Below Surface (S8) (LRR K, L)					
Depleted	Below Dark Su	ırface (A	11)	Depleted Matr				Thin Dark Surface					
Thick Dar	k Surface (A12	2)		Redox Dark Su				☐ Iron-Manganese N					
Sandy Muck Mineral (S1)			Depleted Dark	Surface (F7)									
_	eyed Matrix (S4			Redox Depres	sions (F8)			Piedmont Floodpla					
Sandy Re		• /						Mesic Spodic (TA6		145, 1498)			
_	Matrix (S6)							Red Parent Materi	. ,				
_	ace (S7) (LRR	D MIDA	1/0R)					☐ Very Shallow Dark)			
			•	nd hydrology must be	present, unles	s disturbed	d or proble	☐ Other (Explain in I ematic.	Remarks)				
	ayer (if obse												
Type:													
Depth (inc	hes):							Hydric Soil Present?	Yes O	No •			
Remarks:													
nils do not r	meet hydric s	oil crite	eria										
113 40 1100 1	neet nyune s	on crice	iid.										

Project/Site: Lake Forest Condominiums	City/County: Town of Washingt	on, Vilas Co. Sampli	ng Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI	Sampling Point:	Wet 1-2
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range:	s. 25 T. T40N	R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, n	one): concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9267430680 Long	-89.1881100518	Datum: WGS84
Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes		NWI classification:	PF07
Are climatic/hydrologic conditions on the site typical for this time of	vear? Yes No	— (If no, explain in Remark	
	,		yes ○ No ●
	•	Circumstances" present?	
	• •	explain any answers in Re	•
Summary of Findings - Attach site map showing	sampling point location	is, transects, impo	rtant features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area		
Hydric Soil Present? Yes No	within a Wetland?	Yes No	
Wetland Hydrology Present? Yes No			
community.			
Hydrology Wetland Hydrology Indicators:		Secondary Indicators (minin	num of 2 required)
Primary Indicators (minimum of one required; check all that apply)		Surface Soil Cracks (B6)	
Surface Water (A1) Water-Stained Le	aves (B9)	Drainage Patterns (B10))
High Water Table (A2)	13)	Moss Trim Lines (B16)	
Saturation (A3) Marl Deposits (B1	5)	Dry Season Water Table	e (C2)
Water Marks (B1) Hydrogen Sulfide	` '	Crayfish Burrows (C8)	
	neres along Living Roots (C3)	Saturation Visible on Ae	
Drift deposits (B3) Presence of Redu	` ,	Stunted or Stressed Pla	` '
Trans Demonstra (DE)	action in Tilled Soils (C6)	✓ Geomorphic Position (D Shallow Aguitard (D3)	2)
Thir Flack Salide	` '	Microtopographic Relief	(D4)
Inundation Visible on Aerial Imagery (B/) Sparsely Vegetated Concave Surface (B8) Other (Explain in	Remarks)	FAC-neutral Test (D5)	(04)
Field Observations:			
Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes No Depth (inches):		V (● No ○
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	0		
Describe Recorded Data (stream gauge, monitoring well, aerial photographic photogra	os, previous inspections), if avai	lable:	
Remarks:			
The APT summarized data from local weather stations and determing sample plot meets wetland hydrology criteria.	ed climatic conditions were wett	er than normal for the tim	e of the site visit. This

vegeration - ose scientific fiames of p	iaiits.			Sampling Point: Wet 1-2
(7)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Larix laricina		✓	FACW	That are OBL, FACW, or FAC:3(A)
2. Picea mariana		✓	FACW	Total Number of Dominant
3. Pinus strobus			FACU	Species Across All Strata: 4 (B)
4				
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
6	0			That are OBL, FACW, or FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	85=	= Total Cove	r	Total % Cover of: Multiply by: OBL species105 x 1 =105
1 Pinus strobus	10	✓	FACU	
2		$\overline{\Box}$		FACW species
3	=		-	FAC species $0 \times 3 = 0$
4				FACU species 22 x 4 = 88
5				UPL species $0 \times 5 = 0$
6				Column Totals: <u>202</u> (A) <u>343</u> (B)
7				Prevalence Index = B/A = 1.698
		= Total Cove		·
Herb Stratum (Plot size: 5' radius)			-	Hydrophytic Vegetation Indicators:
1 Sphagnum magellanicum	90	✓	OBL	Rapid Test for Hydrophytic Vegetation
2. Ledum groenlandicum		\Box	OBL	✓ Dominance Test is > 50%
3. Pinus strobus			FACU	V Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting
5				data in Remarks or on a separate sheet)
				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12	_			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	107 =	= Total Cove	r	greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2				size, and woody plants less than 3.28 ft tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4				height.
	0 =	Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes • No •
				1.000.00
Domanday (Tankuda uka ta manda uk	-ht \			1
Remarks: (Include photo numbers here or on a separate	sneet.)			
Vegetation meets wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 1-2

Profile Descri	iption: (Des	scribe to	the depth	needed t	to documen	nt the indic	ator or co	nfirm the a	absence of indicators.)					
Depth														
(inches)	Color (%	Colo	or (moist)	%	Type 1	Loc²	Texture	Re	emarks			
0-8	7.5YR	2.5/2	100						Peaty Muck					
8-20	10YR	4/2	100						Sand					
		-												
			-	-										
1Typo: C-Cond	contration D	-Doplotio	n DM-Doc	lucad Matr	iv CS-Covo	rod or Coate	nd Cand Cr	oine 2Locat	tion: PL=Pore Lining. M=	-Matrix				
		-Depletio	II. KM-Kec	luceu Mau	ix, CS=COVE	red or Coale	au Sanu Gra	allis -Loca			2			
Hydric Soil I				□ r	olyvalue Belo	ou Surface	'CQ\ (I DD F	,	Indicators for Pro	=				
✓ Histosoi (A	,				oiyvaiue Beio ILRA 149B)	Jw Juriace (,30) (LKK F	4	2 cm Muck (A10					
				П т	hin Dark Sur	face (S9) (I	LRR R, MLF	A 149B)	Coast Prairie Re					
☐ Black Histic (A3) ☐ Hydrogen Sulfide (A4)				oamy Mucky	Mineral (F1) LRR K, L)		5 cm Mucky Pea						
Stratified Layers (A5)				oamy Gleyed	d Matrix (F2))		Dark Surface (S7) (LRR K, L, M)						
Depleted Below Dark Surface (A11)				epleted Mat	rix (F3)			☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Thin Dark Surface (S9) (LRR K, L)						
☐ Thick Dark Surface (A12)			_	edox Dark S										
Sandy Muck Mineral (S1)				epleted Dark		7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)						
Sandy Gle	yed Matrix (S	S4)		∐ R	edox Depres	ssions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)					
Sandy Rec	dox (S5)								Red Parent Mat		IN, 113, 1130)			
Stripped M	1atrix (S6)								Very Shallow Dark Surface (TF12)					
Dark Surfa	ace (S7) (LRF	R R, MLRA	149B)						Other (Explain i		,			
³ Indicators of	hydrophytic	vegetatio	n and wetla	and hydrol	ogy must be	present, un	less disturb	ed or proble		•				
Restrictive La														
Type:	.yc. (obo	c. rcu j.												
Depth (inch	nes):								Hydric Soil Present?	? Yes ⊙	No O			
Remarks:														
Soils meet hy	dric coil crit	toria												
Jons meet my	unc son cm	teria.												
i														
1														
1														
ı														

Project/Site: Lake Forest Condominiums	City/County: Town	of Washington, Vi	las Co. Samı	pling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC		State: WI	Sampling Point	Up 1-2
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Townshi	ip, Range: S. 2		R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave			Slope: 6.0 % / 3.4 °
	45.9268415310	long:	89.1881792967	Datum: WGS84
	45.9200415510	Long	NWI classification	
Soil Map Unit Name: Rubicon sand; 0 to 6 percent slopes				
Are climatic/hydrologic conditions on the site typical for this time of	year? Yes 🔾	No 🔍 (If n	o, explain in Rema	-
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$ significar	ntly disturbed? A	re "Normal Circı	ımstances" presen	_{t?} Yes • No ·
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$ naturally	problematic? (1	If needed, expla	in any answers in I	Remarks.)
Summary of Findings - Attach site map showing	sampling point	locations, t	ransects, imp	ortant features, etc.
Hydrophytic Vegetation Present? Yes No	To the Samu	lad Avan		
Hydric Soil Present? Yes No •	Is the Samp within a We		s O No 💿	
Wetland Hydrology Present? Yes ○ No ●				
Hydrology				
Wetland Hydrology Indicators:			ondary Indicators (mi	
Primary Indicators (minimum of one required; check all that apply)			Surface Soil Cracks (I	•
Surface Water (A1) Water-Stained Le High Water Table (A2) Aquatic Fauna (B	` '		Drainage Patterns (B	•
☐ High Water Table (A2) ☐ Aquatic Fauna (B ☐ Saturation (A3) ☐ Marl Deposits (B)	•		Moss Trim Lines (B16 Dry Season Water Ta	•
Water Marks (B1) Hydrogen Sulfide	-		Crayfish Burrows (C8	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	heres along Living Roots		Saturation Visible on	
☐ Drift deposits (B3) ☐ Presence of Redu			Stunted or Stressed I	• , . ,
	uction in Tilled Soils (C6)		Geomorphic Position	• •
☐ Iron Deposits (B5) ☐ Thin Muck Surfac	` ,		Shallow Aquitard (D3	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	Remarks)		Microtopographic Rel	lief (D4)
Sparsely Vegetated Concave Surface (B8)	•		FAC-neutral Test (D5)
Field Observations:				
Surface Water Present? Yes No Depth (inches):	:			
Water Table Present? Yes No Depth (inches):	:		V	s O No 💿
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	<u> </u>	etland Hydrolog		5 ∪ NO ♥
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspectio	ns), if available:		
Remarks:				
The APT summarized data from local weather stations and determing sample plot does not meet wetland hydrology criteria.	ned climatic conditions	were wetter that	an normal for the t	ime of the site visit. This

vegetation - use scientific names of pla	iits.			Sampling Point: Up 1-2
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover		Status	Number of Dominant Species
1 Acer rubrum	75	✓	FAC	That are OBL, FACW, or FAC:4 (A)
2. Pinus strobus	25	✓	FACU	Total Number of Dominant
3 Abies balsamea	5		FAC	Species Across All Strata: 7 (B)
4	0			
5				Percent of dominant Species That Are OBL, FACW, or FAC: 57.1% (A/B)
6				That Are OBL, FACW, or FAC: 57.1% (A/B)
7	0			Prevalence Index worksheet:
(District 15 redius	105	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' radius				OBL species
1 Acer rubrum		✓	FAC	FACW species $0 \times 2 = 0$
2. Abies balsamea	-	✓	FAC	FAC species $117 \times 3 = 351$
3				FACU species $40 \times 4 = 160$
4	-			UPL species $\frac{15}{2}$ x 5 = $\frac{75}{2}$
5				1, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6	0			Column Totals: <u>172</u> (A) <u>586</u> (B)
7	0			Prevalence Index = B/A = 3.407
Herb Stratum (Plot size: 5' radius)	7:	= Total Cove	r	Hydrophytic Vegetation Indicators:
	-	_		Rapid Test for Hydrophytic Vegetation
1 _ Lycopodium clavatum	30	✓	FAC	✓ Dominance Test is > 50%
2. Pteridium aquilinum	15	✓	FACU	Prevalence Index is ≤3.0 ¹
3. Carex pensylvanica	15	✓	UPL	Morphological Adaptations ¹ (Provide supporting
4	0			data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7				Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12		\Box		
		= Total Cove	r	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				greater than 6.25 it (111) tail
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 :	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes No
				Tresent:
Boundary (Total and a share a				I.
Remarks: (Include photo numbers here or on a separate she	•			
Vegetation meets wetland criteria due to FAC species but so indicative of upland.	oils are not	nydric, no hy	drology in	dicators were observed and topographic position was
mulcauve of uplanu.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 1-2

Profile Descri	ption: (Des	cribe to	the depth	needed to	locument	the indica	ator or co	nfirm the	absence of indicator	s.)			
Depth		Matrix			Red	dox Featu	res		_				
(inches)	Color (r	noist)	%	Color (moist)	%	Type ¹	Loc2	Texture		Rema	ırks	
0-1	7.5YR	3/1	100	-		-	-		Sandy Loam				
1-2	7.5YR	5/2	100	-		-	-	-	Sandy Loam		E Horizon		
2-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand				
		-							-				
		-		-	-			-		—-			
				-		-							
		-		-									
¹ Type: C=Conc	entration. D	=Depletio	n. RM=Rec	luced Matrix,	CS=Covere	d or Coate	d Sand Gr	ains ² Loca	tion: PL=Pore Lining.	M=Ma	itrix		
Hydric Soil I	ndicators:								Indicators for P	roble	matic Hydric	Soils: 3	
Histosol (A	A1)					v Surface (S	58) (LRR F	₹,			LRR K, L, MLRA		
Histic Epip	☐ Histic Epipedon (A2) ☐ Black Histic (A2) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)) A 4 40D)			(A16) (LRR K,	-			
Black Histi	c (A3)							-			r Peat (S3) (LRI		
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) LRR K, L))			(LRR K, L, M)					
Stratified Layers (A5) Loamy Gleyed Matrix (F2) Depleted Matrix (F2)						Polyvalue Below Surface (S8) (LRR K, L)							
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Redox Dark Surface (F6)									(S9) (LRR K, L)				
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Depleted Dark Surface (F7)				'\		Iron-Mangane	ese Ma	asses (F12) (LR	R K, L, R)				
Salidy Mack Milleral (S1)				ox Depressi)		Piedmont Floodplain Soils (F19) (MLRA 149B)					
	yed Matrix (S	64)		□ Reut	ox Depiessi	ions (Fo)			Mesic Spodic	(TA6)	(MLRA 144A, 1	145, 149B)	
Sandy Red									Red Parent Material (F21)				
Stripped M									☐ Very Shallow Dark Surface (TF12)				
☐ Dark Surfa	ice (S7) (LRR	R R, MLRA	149B)						Other (Explain in Remarks)				
³ Indicators of	hydrophytic	vegetatio	n and wetla	and hydrology	must be p	resent, unl	ess disturt	ed or proble	ematic.				
Restrictive La	yer (if obse	erved):											
Type:	. `	-											
Depth (inch	nes):								Hydric Soil Preser	nt?	Yes 🔾	No 💿	
Remarks:	-								1				
Soils do not m	oot bydric	coil crite	vria										
John do Hot III	icet Hyuric	SOII CITE	ii ia.										

Project/Site: Lake Forest Condominiums		City/County:	Town of Washington	n, Vilas Co.	Sampling	Date: 19-May-23
Applicant/Owner: Dalmark Development Group	, LLC		State: WI	Samplin	g Point:	Wet 2-1
Investigator(s): Ann Key, WDNR Prof. Assured	I	Section, To	wnship, Range: S	. 24 т .	T40N	R. 10E
Landform (hillslope, terrace, etc.): Toeslop	oe .	Local relief (co	ncave, convex, no	ne): concave		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	45.928466304	3 Long.:	: -89.1858868	981	Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to				NWI classi		
Are climatic/hydrologic conditions on the sit	e typical for this time of y	ear? Yes	; ○ No ● (— If no, explain i	n Remarks)	
		tly disturbed?	`	Circumstances"	•	Yes No
		oroblematic?			•	ulca)
Summary of Findings - Attach s			-	oplain any answ Se transects		-
Hydrophytic Vegetation Present? Yes					, p 0.0	
Hydric Soil Present? Yes			Sampled Area	Yes • No		
Wetland Hydrology Present?		within	a Wetland?	163 0 140 0		
Remarks: (Explain alternative procedures		+ \				
Hydrology						
Wetland Hydrology Indicators:				Secondary Indicat		n of 2 required)
Primary Indicators (minimum of one required confirmation of the required c				Surface Soil (
✓ Surface Water (A1) ✓ High Water Table (A2)	✓ Water-Stained Lea	• ,		Drainage Pat		
Saturation (A3)	☐ Aquatic Fauna (B1☐ Marl Deposits (B1☐	-		Moss Trim Li	nes (B16) Vater Table ((72)
Water Marks (B1)	Hydrogen Sulfide	-		Crayfish Burn	-	.2)
Sediment Deposits (B2)	Oxidized Rhizosph	` '	Poots (C3)			I Imagery (C9)
Drift deposits (B3)	Presence of Reduce		1000 (03)		ressed Plants	
Algal Mat or Crust (B4)	Recent Iron Reduce	. ,	s (C6)	✓ Geomorphic		(5-)
☐ Iron Deposits (B5)	Thin Muck Surface		, (33)	Shallow Aquit	` '	
☐ Inundation Visible on Aerial Imagery (B7)	Other (Explain in I	()		Microtopogra	phic Relief (D	4)
Sparsely Vegetated Concave Surface (B8)		,		✓ FAC-neutral 1	Test (D5)	
Field Observations:						
Surface Water Present? Yes • No	Depth (inches):	1				
Water Table Present? Yes • No	Depth (inches):	0			Y (A)	No O
Saturation Present? (includes capillary fringe) Yes • No	Depth (inches):	0	Wetland Hydro	logy Present?		NO U
Describe Recorded Data (stream gauge, m	onitoring well, aerial photo	os, previous ins	pections), if availa	ble:		
Remarks:						
The APT summarized data from local weath sample plot meets wetland hydrology criter		ed climatic cond	litions were wetter	r than normal fo	or the time (of the site visit. This

VEGETATION - OSE SCIENTIFIC Harries of pla	11165.			Sampling Point: Wet 2-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Larix laricina	25	✓	FACW	That are OBL, FACW, or FAC:
2. Acer rubrum	25	✓	FAC	Total Number of Dominant
3. Picea mariana	15	✓	FACW	Species Across All Strata: 8 (B)
4	0			
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 87.5% (A/B)
6				That Are OBL, FACW, or FAC: 87.5% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	65=	= Total Cove	r	Total % Cover of: Multiply by: OBL species 135 x 1 = 135
1 Pinus strobus	5	✓	FACU	
2. Picea mariana	5	~	FACW	FACW species $100 \times 2 = 200$
3. Abies balsamea		<u></u>	FAC	FAC species $30 \times 3 = 90$
4				FACU species $5 \times 4 = 20$
5				UPL species $0 \times 5 = 0$
6.	_			Column Totals: <u>270</u> (A) <u>445</u> (B)
7				Prevalence Index = B/A = <u>1.648</u>
Herb Stratum (Plot size: 5' radius)	15=	= Total Cove	r	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1 Sphagnum magellanicum		~	OBL	✓ Dominance Test is > 50%
2. Osmunda cinnamomea		~	FACW	✓ Prevalence Index is ≤3.0 ¹
3. Iris versicolor			OBL	Morphological Adaptations ¹ (Provide supporting
4. Ledum groenlandicum	15		OBL	data in Remarks or on a separate sheet)
5. Carex bromoides	15		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
6. Carex brunnescens	10		FACW	
7 Calamagrostis canadensis	5		OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12	0			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	190=	= Total Cove	r	greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
				Hydrophytic Vegetation Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	oot)			
Vegetation meets wetland criteria.	eet.)			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 2-1

Profile Descri	ption: (De	scribe to	the depth	needed to d	ocument	the indica	ator or co	nfirm the a	absence of indic	cators.)				
Depth		Matrix			Red	dox Featu	res		_					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Texture		Rer	marks		
0-6	10YR	4/4	100	-	-	-		-	Peaty Muck					
6-20	10YR	2/1	100	-	-	-	-	-	Muck					
	-													
						-								
-									-					
	-	-	-	-										
-	-	-	-					-						
1Type: C=Conc	entration. D	=Depletio	n. RM=Re	duced Matrix. (CS=Covere	d or Coate	d Sand Gra	ains ² Loca	tion: PL=Pore Lir	nina. M=Ma	atrix			
Hydric Soil I		_ 55.000			201010							3		
✓ Histosol (A				Polya	zalue Relov	v Surface (S8) (I RR 5	2	Indicators					
Histic Epip					4 149B)	v Surrace (.	30) (LIXIV I	ν,			LRR K, L, ML	•		
				Thin	Dark Surfa	ice (S9) (L	RR R, MLF	RA 149B)			(A16) (LRR			
	☐ Black Histic (A3) ☐ Hillin Dark Surface (S9) (LRR R, MLRA 1498) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) LRR K, L))		-	r Peat (S3) (I						
Stratified Layers (A5) Loamy Gleyed Matrix (F2)				Matrix (F2)					(LRR K, L, M)					
				Depl	eted Matrix	(F3)			☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Thin Dark Surface (S9) (LRR K, L)					
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface				face (F6)										
Sandy Muck Mineral (S1) Depleted Dark Surface (F7)				')				asses (F12) (
Sandy Gleyed Matrix (S4) Redox Depression				ions (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)							
Sandy Red		<i>-</i> .,							☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) ☐ Red Parent Material (F21)					
Stripped M												2)		
	ace (S7) (LR	R R. MLRA	149B)								Surface (TF1	2)		
										Explain in R	emarks)			
³ Indicators of	hydrophytic	vegetatio	n and weti	and hydrology	must be p	resent, uni	ess disturt	bed or proble	ematic.					
Restrictive La	yer (if obs	erved):												
Туре:											(
Depth (inch	nes):								Hydric Soil P	resent?	Yes 💿	No O		
Remarks:														
Soils meet hyd	dric soil cri	teria.												
,														

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 2-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 4.0 % / 2.3 °
	45.9285662589 Long.: -89.1858221882 Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	
Are Vegetation \square , Soil \square , or Hydrology \square significant	tly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation , Soil , or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)
Summary of Findings - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	To the Committee of the
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes ○ No ●
Wetland Hydrology Present? Yes ○ No ●	
No recent disturbances were observed and the area was considered	d to have normal circumstances.
Hydrology Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (minimum of 2 required) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea	aves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B1)	13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B1	_ `
Water Marks (B1) Hydrogen Sulfide	Odor (C1) Crayfish Burrows (C8)
	heres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)	_
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in Sparsely Vegetated Concave Surface (B8)	Remarks) Microtopographic Relief (D4) FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
Surface Water Frescher	
Water Table Present? Yes No Depth (inches):	───── Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	cos, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot does not meet wetland hydrology criteria.	ned climatic conditions were wetter than normal for the time of the site visit. This

vegeration - use scientific names of pia	ancs.			Sampling Point: Up 2-1
(D)	Absolute	Dominant	Illaicacoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Abies balsamea	50	✓	FAC	That are OBL, FACW, or FAC: 4 (A)
2 Pinus strobus	15	✓	FACU	Total Number of Deminerat
3	0			Total Number of Dominant Species Across All Strata: 8 (B)
4				
5		$\bar{\Box}$		Percent of dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
		= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' radius)				OBL species 0 x 1 = 0
1 Abies balsamea		✓	FAC	FACW species $0 \times 2 = 0$
2				FAC species 75 x 3 = 225
3				FACU species $70 \times 4 = 280$
4	0			10 Species
5	0			· ·
6	0			Column Totals: <u>155</u> (A) <u>555</u> (B)
7	0			Prevalence Index = B/A = 3.581
Herb Stratum (Plot size: 5' radius)	5 =	= Total Cove	r	Hydrophytic Vegetation Indicators:
merb stratum (1 lot size. 3 louids)	-	_		Rapid Test for Hydrophytic Vegetation
1. Pteridium aquilinum	35	✓	FACU	Dominance Test is > 50%
2. Dichanthelium xanthophysum	10	~	UPL	Prevalence Index is ≤3.0 ¹
3. Abies balsamea	10	~	FAC	Morphological Adaptations ¹ (Provide supporting
4. Dendrolycopodium obscurum	10	✓	FACU	data in Remarks or on a separate sheet)
5. Lycopodium clavatum	10	V	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
6. Maianthemum canadense	5		FACU	
7 Pinus strobus	5		FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
		= Total Cove	r	greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				, ,
1				Herb - All herbaceous (non-woody) plants, regardless of
2				size, and woody plants less than 3.28 ft tall.
3			-	Woody vine - All woody vines greater than 3.28 ft in
4			-	height.
	0 =	= Total Cove	r	
				Hydrophytic Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate sh	neet.)			
Vegetation does not meet wetland criteria.	•			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 2-1

Profile Descr	iption: (Des	cribe to	the depth	needed to docum	ent the indic	ator or co	nfirm the a	absence of indicators.)		
Depth (inches)		Matrix			Redox Featu					
(inches)	Color (r		<u>%</u>	Color (moist) %	Type ¹	Loc²	Texture	Remarks	
0-3	7.5YR	3/1	100					VF Sandy Loam	E Horizon	
3-4	7.5YR	5/2	100				-	VF Sandy Loam	— — — — — — — — — — — — — — — — — — —	
4-10	7.5YR	4/4	100			-	-	Sandy Loam		
10-20	7.5YR	5/4	100	- <u> </u>			-	Sandy Loam		
			-		-					
		-								
									<u> </u>	
1Type: C=Con	centration D	-Donlatio	n DM-Da	duced Matrix CS-Co	vered or Coate	nd Sand Gra	inc 21 oca	tion: PL=Pore Lining. M=	Matrix	
Hydric Soil I		-Depletio	II. KM-Ke	duced Matrix, CS=CO	vereu or Coate	a Saliu Gla	IIIS -LUCA			
Histosol (Polyvalue B	elow Surface (S8) (I RR R			olematic Hydric Soils: 3	
`	pedon (A2)			MLRA 149B		(2) (LRR K, L, MLRA 149B)	
☐ Black Hist					Surface (S9) (I		A 149B)		dox (A16) (LRR K, L, R) t or Peat (S3) (LRR K, L, R)	
Hydrogen	Sulfide (A4)				ky Mineral (F1			Dark Surface (S7		
	Stratified Layers (A5)		Loamy Gley Depleted M	ed Matrix (F2))			Surface (S8) (LRR K, L)		
	Depleted Below Dark Surface (A11)				Surface (F6)			Thin Dark Surfac	te (S9) (LRR K, L)	
	☐ Thick Dark Surface (A12) ☐ Sandy Muck Mineral (S1)				ark Surface (F	7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R)		
	•	•			ressions (F8)	,			olain Soils (F19) (MLRA 149B)	
	Sandy Gleyed Matrix (S4) Sandy Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
	Matrix (S6)							Red Parent Mate	riai (F21) rk Surface (TF12)	
Dark Surfa	ace (S7) (LRR	R R, MLRA	149B)					Other (Explain in		
³ Indicators of	hvdrophytic	vegetatio	n and wetl	and hydrology must	be present, un	less disturbe	ed or proble			
Restrictive La				, 3,						
Type:	., c. (obs.	o. vou j.								
Depth (incl	hes):							Hydric Soil Present?	Yes O No 💿	
Remarks:				<u> </u>						
Soils do not n	neet hydric	soil crite	eria.							
	,									

Project/Site: Lake Forest Condominiums	City/County: Town of Washin	ngton, Vilas Co. Samp	ling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State:	WI Sampling Point:	Wet 2-2
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range	e: S. 24 T. T40N	R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex	, none): concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9296596230 L d	ong.: -89.1850387058	Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes		NWI classification:	 : PFO7
Are climatic/hydrologic conditions on the site typical for this time of	year? Yes ○ No •	(If no, explain in Remar	
	,	al Circumstances" present	
		•	-
	•	d, explain any answers in R	•
Summary of Findings - Attach site map showing	sampling point location	ons, transects, impo	ortant features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area		
Hydric Soil Present? Yes No	within a Wetland?	Yes No	
Wetland Hydrology Present? Yes No			
community.			
Hydrology Wetland Hydrology Indicators:		Secondary Indicators (min	imum of 2 required)
Primary Indicators (minimum of one required; check all that apply)		Surface Soil Cracks (B	
☐ Surface Water (A1) ✓ Water-Stained Le	aves (B9)	Drainage Patterns (B1	-
✓ High Water Table (A2) ☐ Aquatic Fauna (B.	13)	Moss Trim Lines (B16))
Saturation (A3) Marl Deposits (B1	5)	Dry Season Water Tab	ole (C2)
Water Marks (B1) Hydrogen Sulfide	Odor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (B2) Oxidized Rhizospl	neres along Living Roots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift deposits (B3)	ced Iron (C4)	Stunted or Stressed Pl	lants (D1)
	ction in Tilled Soils (C6)	✓ Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surfac	e (C7)	Shallow Aquitard (D3)	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in Sparsely Vegetated Concave Surface (B8)	Remarks)	✓ Microtopographic Relie✓ FAC-neutral Test (D5)	
Sparsely vegetated concave surface (Bo)		FAC-neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes No Depth (inches):		ydrology Present? Yes	No
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	0	drology Present? Tes	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if av	/ailable:	
Remarks:			
The APT summarized data from local weather stations and determin sample plot meets wetland hydrology criteria.	ed climatic conditions were we	etter than normal for the ti	me of the site visit. This

1. **Preco mariana*** 2. **Acer uniform** 1. **Septimes** 1. **Description** 1. **Descri	vegeration - ose scientific fiames of pla	1163.			Sampling Point: Wet 2-2
1, PRose marians 2, Acer unbrum 15	(5)				Dominance Test worksheet:
1. Rices marlams 60	<u>Tree Stratum</u> (Plot size: 30' radius)	% Cover		Status	Number of Dominant Species
3. Betulie alleghaminensis 4.	1. Picea mariana	60	✓	FACW	That are OBL, FACW, or FAC: 4 (A)
3. Secular Marghaniensis 15	2. Acer rubrum	15		FAC	Total Number of Deminant
Percent of dominant Species Tax Are ORL, FACW, or FAC: 100.0% (ME)	3. Betula alleghaniensis	15		FAC	
That Are OBL, FACW, or FAC: 100.0% (A/B)	4	0			
6.	5	0			
Total Stratum	6	0			That are OBL, FACW, or FAC.
Sapling Shrub Stratum (Plot size: 15 radius 10	7	0			Prevalence Index worksheet:
1. Ables bulsames 10	Sapling/Shrub Stratum (Plot size: 15' radius)	90 =	= Total Cover		
2	1 _. Abies balsamea	10	✓	FAC	
Second	2.	0			
A		-			1
Definitions of Vegetation Stratum Plot size: 30' radius Sapling/shrub - Woody Vine Stratum Plot size: 30' radius Sapling/shrub - Woody Vine Stratum Plot size: 30' radius Sapling/shrub - Woody Vine Stratum Plot size: 30' radius Sapling/shrub - Woody Vine Stratum Plot size: 30' radius Sapling/shrub - Woody Vines greater than 3.28 ft in height.		· -			'
Column Totals: 235 (A) 405 (B) Prevalence Index = B/A = 1,723 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤3.0 1 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤3.0 1 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤3.0 1 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of Hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants, 3 in, (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft tall. Woody Vine Stratum (Plot size: 30' radius) 1					UPL species $0 \times 5 = 0$
Prevalence Index = B/A = 1.723		_			Column Totals: <u>235</u> (A) <u>405</u> (B)
Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation					Prevalence Index = B/A = 1 723
New			= Total Cover		·
1. Sphanum magellanicum 2. Carex disperma 3.0 Smunda cinnamomea 1.0	Herb Stratum (Plot size: 5' radius)				
2 Carex disperma 30	1 Sphagnum magellanicum	80	✓	OBL	
3. Gemunda cinnamomea 10 FACW FACW FACW Morphological Adaptations \(^1\) (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation \(^1\) (Explain)		20		OBL	
4. Coptis trifolia 5. Trientalis borealis 6.				FACW	
5. Trientalis borealis 6.		40		FACW	
6.	F. Triantalia barradia	-		FAC	l —
7.	0				Problematic Hydrophytic Vegetation (Explain)
be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. O					
Definitions of Vegetation Strata: O					be present, unless disturbed or problematic.
Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 2					Definitions of Vegetation Strata:
1					True Mendendanta O'r (70 am) an ann in diamatan
2					
Woody Vine Stratum (Plot size: 30' radius) 1.					at broadt Holght (BBH), rogardiodd o'i Holght.
Woody Vine Stratum (Plot size: 30' radius) 1.	12		 - Total Cover		
1	Woody Vine Stratum (Plot size: 30' radius)		- Total Covel		greater than 3.28 ft (1m) tall
2		0			Herb - All herbaceous (non-woody) plants, regardless of
3		0			size, and woody plants less than 3.28 ft tall.
4					Woody vine All woody vines greater than 2.29 ft in
O = Total Cover Hydrophytic Vegetation Present? Yes • No •	4	0			
Hydrophytic Vegetation Present? Yes No Cemarks: (Include photo numbers here or on a separate sheet.)	T-	0 =	= Total Cover		
Vegetation Present? Yes • No • N			- rotal corel		
Vegetation Present? Yes • No • N					
Vegetation Present? Yes • No • N					
Present? Yes No Carrent No Carren					Hydrophytic
temarks: (Include photo numbers here or on a separate sheet.)					
					Present? Tes C NO C
egetation meets wetland criteria.		eet.)			
	Vegetation meets wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 2-2

Profile Descri	ption: (Des	cribe to	the depth	needed to d	ocument	the indi	cator or co	onfirm the	absence of indicators.)			
Depth		Matrix				dox Feat	ures		_			
(inches)	Color (r		%	Color (ı	moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-4	10YR	2/1	100						Muck			
4-8	10YR	5/2	90	10YR	4/3	10	C	_M	Sandy Loam			
8-20	10YR	5/3	60	7.5YR	4/6	40	С	М	Loamy Sand			
			-			-	-	-				
			-									
	 -											
	 -	-										
			-									
ı												
							_					
¹ Type: C=Conc	entration. D=	=Depletio	n. RM=Red	uced Matrix, (S=Covere	ed or Coat	ed Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=M	atrix		
Hydric Soil I	ndicators:								Indicators for Proble	ematic Hydric Soils : 3		
Histosol (A	1)					w Surface	(S8) (LRR I	₹,		(LRR K, L, MLRA 149B)		
Histic Epip	edon (A2)				\ 149B)	(22)				x (A16) (LRR K, L, R)		
Black Histi							LRR R, MLI			or Peat (S3) (LRR K, L, R)		
	Sulfide (A4)					Minerai (F) Matrix (F2	1) LRR K, L)	Dark Surface (S7)			
Stratified L					iy Gieyeu eted Matri:	-	.)		Polyvalue Below Si	urface (S8) (LRR K, L)		
	Selow Dark S		11)			rface (F6)			Thin Dark Surface	☐ Thin Dark Surface (S9) (LRR K, L)		
	Surface (A1					Surface (F			Iron-Manganese M	lasses (F12) (LRR K, L, R)		
	ck Mineral (Si yed Matrix (S	•			x Depress		,			in Soils (F19) (MLRA 149B)		
Sandy Red) T)			•				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Stripped M									Red Parent Material (F21)			
	ice (S7) (LRR	R, MLRA	(149B)						☐ Very Shallow Dark			
³ Indicators of									Other (Explain in R	Remarks)		
			iii aliu wella	na nyarology	must be p	nesent, ui	iless distui	bed of proble	emauc.			
Restrictive La	yer (if obse	erved):										
Type:									Hydric Soil Present?	Yes No		
Depth (inch	les):								-			
Remarks:												
Soils are consi	idered prob	lematic	but meet	the A10 indi	cator for	hydric s	oil criteria	•				
1												
1												
ı												
ı												

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 2-2
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 4.0 % / 2.3
	45.9297234462 Long.: -89.1851665342 Datum: WGS84
	NWI classification:
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes	
Are climatic/hydrologic conditions on the site typical for this time of y	
Are Vegetation $oxdot$, Soil $oxdot$, or Hydrology $oxdot$ significan	ntly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$ naturally	problematic? (If needed, explain any answers in Remarks.)
Summary of Findings - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	To the Counted Associated
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes ○ No ●
Wetland Hydrology Present? Yes O No •	
No recent disturbances were observed and the area was considered	
Hydrology Wetland Hydrology Indicators: Drimany Indicators (minimum of one required check all that apply)	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	
Surface Water (A1) Water-Stained Lea High Water Table (A2) Aquatic Fauna (B)	` '
Saturation (A3) Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	heres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	uction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	te (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
	
	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial phot	
Describe Recorded Data (Stream gauge, monitoring well, aerial prior	tos, previous inspections), ii available.
Remarks:	
	ned climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - USE Scientific fiames of pic	ancs.			Sampling Point: Up 2-2
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Acer rubrum	60	✓	FAC	That are OBL, FACW, or FAC: (A)
2. Pinus strobus		✓	FACU	Total Number of Dominant
3	0			Species Across All Strata:5(B)
4	0			
5	0			Percent of dominant Species That Are OBL_FACW_or_FAC: 40.0% (A/B)
6				That Are OBL, FACW, or FAC: 40.0% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	80=	= Total Cove	r	Total % Cover of: Multiply by: OBL species 0 x 1 = 0
1 _. Abies balsamea	10	✓	FAC	
2		Ä		FACW species $0 \times 2 = 0$
3.	-	$\overline{\Box}$		FAC species $72 \times 3 = 216$
4	· ·	$\overline{\Box}$		FACU species <u>38</u> x 4 = <u>152</u>
5		$\bar{\Box}$		UPL species $0 \times 5 = 0$
6.	_			Column Totals: <u>110</u> (A) <u>368</u> (B)
7				Prevalence Index = $B/A = 3.345$
		= Total Cove		Prevalence fridex = b/A =3.345
Herb Stratum (Plot size: 5' radius)	10=	- Iotal Cove		Hydrophytic Vegetation Indicators:
1 Vaccinium angustifolium	10	✓	FACU	Rapid Test for Hydrophytic Vegetation
		V	FACU	☐ Dominance Test is > 50%
			FACU	Prevalence Index is ≤3.0 ¹
			FAC	Morphological Adaptations ¹ (Provide supporting
•		Ē	TAC	data in Remarks or on a separate sheet)
5		Ī		Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Deminions of Vegetation Strata.
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	=	= Total Cove	r	greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0		-	size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0		-	height.
	0 =	= Total Cove		
			-	
				Hydrophytic
				Vegetation Present? Yes No No
				Present? Yes V NO V
				l
Remarks: (Include photo numbers here or on a separate sl	neet.)			
Vegetation does not meet wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 2-2

Profile Descr	iption: (Des	cribe to	the depth	needed to docun	nent the indic	ator or co	nfirm the	absence of indicators.)	
Depth (inches)		Matrix			Redox Featu				_	
(inches)	Color (I			Color (moist	t) <u>%</u>	Type ¹	Loc ²	Texture	Rem	arks
0-2	7.5YR	3/1	100	·				Sandy Loam	E Horizon	
2-4	7.5YR	5/2	100		<u> </u>	-	-	Loamy Sand	E HORIZON	
4-20	7.5YR	4/4	100			-	-	Loamy Sand		
1Type: C=Cond	centration D	=Denletio	n RM=Rec	luced Matrix CS=Co	overed or Coate	ed Sand Gra	ins 21 oca	ition: PL=Pore Lining. M	=Matriy	
Hydric Soil I		-Беріссіо	n. ra-i-rec	ideed Flatrix, e5–e6	overed or could	ou ou or u				3
Histosol (/				Polyvalue	Below Surface ('S8) (I RR R		Indicators for Pro		
,	pedon (A2)			MLRA 149		(30) (ERRY)			0) (LRR K, L, MLR	
☐ Black Hist				☐ Thin Dark	Surface (S9) (I	LRR R, MLRA	4 149B)		edox (A16) (LRR K	
	Sulfide (A4)			Loamy Mu	cky Mineral (F1) LRR K, L)			at or Peat (S3) (Li	RR K, L, R)
_	Layers (A5)			Loamy Gle	yed Matrix (F2))			57) (LRR K, L, M) v Surface (S8) (LR	D V I)
Depleted	Below Dark S	Surface (A	11)	Depleted N					nce (S9) (LRR K, I	
☐ Thick Darl	k Surface (A1	12)		_	k Surface (F6)				e Masses (F12) (L	
☐ Sandy Mu	ck Mineral (S	51)			Dark Surface (F	7)			lplain Soils (F19) (
Sandy Gle	eyed Matrix (S	54)		☐ Redox Dep	ressions (F8)				TA6) (MLRA 144A,	
Sandy Red	dox (S5)							Red Parent Mat		-, - ,
	Matrix (S6)								ark Surface (TF12)
☐ Dark Surfa	ace (S7) (LRF	R R, MLRA	(149B)					Other (Explain	in Remarks)	
³ Indicators of	hydrophytic	vegetatio	n and wetl	and hydrology must	be present, un	less disturbe	ed or proble	ematic.		
Restrictive La	aver (if obs	erved):								
Type:	., (5	,.								
Depth (incl	hes):							Hydric Soil Present	? Yes 🔾	No 💿
Remarks:	, .									
Soils do not n	noot hydric	coil crite	vria							
Solis do Hot H	neet nyunc	SOII CITE	ııa.							

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 2-3
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0
Subregion (LRR or MLRA): LRR K Lat.:	45.9300785436 Long.: -89.1830868770 Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of	year? Yes No (If no, explain in Remarks.)
	ntly disturbed? Are "Normal Circumstances" present? Yes • No
	Ale Normal Greatheance present.
-, -, ,	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
, , , ,	Is the Sampled Area
· · ·	within a Wetland? Yes No
Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate rep	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	
☐ Surface Water (A1) ☑ Water-Stained Le ☑ High Water Table (A2) ☐ Aquatic Fauna (B	
✓ High Water Table (A2) ☐ Aquatic Fauna (B ✓ Saturation (A3) ☐ Marl Deposits (B1)	
Water Marks (B1) Hydrogen Sulfide	
	sheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	uction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	✓ FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	:
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	tos, previous inspections), if available:
Remarks:	
	ned climatic conditions were wetter than normal for the time of the site visit. This

11	
1, Acer rubrum	
2. Ables balsamea 30	
10	
10	
Percent of dominant Species Factor Factor	
That Are OBL, FACW, or FAC: 83.3% (A/B)	
Total Cover FACU FACW FACW	3)
Sapling/Shrub Stratum (Plot size: 15' radius) 90 = Total Cover Total % Cover of: Multiply by: OBL species 0 x 1 = 0 PACW species 60 x 2 = 120 PACW species 85 x 3 = 255 PACU species 85 x 3 = 255 PACU species 85 x 3 = 255 PACU species 15 x 4 = 60 PACW species	
1 Tsuga canadensis Sapling/Shrub Stratum (Plot size: 15 radius Paccol P	
1. Tsuga canadensis 2.	
2.	
3.	
4.	
5.	
6	
Prevalence Index = B/A = 2.719	<i>)</i>
Herb Stratum (Plot size: 5' radius) 1. Dryopteris carthusiana 30	
Herb Stratum Plot size: 5' radius	
1. Dryopteris carthusiana 2. Coptis trifolia 3. Carex bromoides 4. Trientalis borealis 5. □ FAC 0. □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	
2. Coptis trifolia 3. Carex bromoides 4. Trientalis borealis 5. □ FACW 6. □ 0 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	
3. Carex bromoides 4. Trientalis borealis 5. □ FAC 6. □ 0 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	
4. Trientalis borealis 5	
Problematic Hydrophytic Vegetation 1 (Explain)	J
6	
7	
be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants, 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall Herb - All herbaceous (non-woody) plants, regardless of tables of the plants less than 3.28 ft tall.	st
9	
Tree - Woody plants, 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. Tree - Woody plants, 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall Herb - All herbaceous (non-woody) plants, regardless of tables and woody plants less than 3.28 ft tall.	
11	
12	er
Woody Vine Stratum (Plot size: 30' radius) 65 = Total Cover Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall Herb - All herbaceous (non-woody) plants, regardless of size and woody plants less than 3.28 ft tall.	
Woody Vine Stratum (Plot size: 30' radius) 1	b
1	
size, and woody plants less than 3.28 ft tall	of
2	
3. Woody vine - All woody vines greater than 3.28 ft in	
4 0 woody vines greater than 3.28 it in height.	
0 = Total Cover	
Hydrophytic	
Vegetation Present? Yes No	
Present? Yes • No ·	
	=
Remarks: (Include photo numbers here or on a separate sheet.)	
Vegetation meets wetland criteria.	

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 2-3

Profile Descri	ption: (Des	scribe to	the dept	h needed to d	document	t the indic	ator or co	nfirm the	absence of indicators.)					
Depth		Matrix			Re	dox Featu	ires							
(inches)	Color (moist)	%	Color (moist)	%	Type 1	Loc ²	Texture	Remarks				
0-2	7.5YR	2.5/3	100	-	-	-	-	-	Mucky Peat					
2-4	7.5YR	2.5/1	100			-		-	Muck					
4-10	7.5YR	5/1	90	7.5YR	4/4	10	C	M	Sandy Loam					
10-20	7.5YR	5/4	100						Sandy Loam					
			-											
			-											
1. 0.0														
		=Depletio	n. RM=Re	educed Matrix,	CS=Cover	ed or Coate	ed Sand Gra	ains ² Loca	ation: PL=Pore Lining. M=Matr					
Hydric Soil I				□ Poly	value Pole	w Surface ('CO\ /I DD E)	Indicators for Problem	atic Hydric Soils:				
Histosol (A					value belo A 149B)	w Surrace (56) (LKK F	ζ,	2 cm Muck (A10) (LR					
Black Histi				Thin	Dark Surf	ace (S9) (L	RR R, MLF	RA 149B)	Coast Prairie Redox (
	Sulfide (A4)			Loar	ny Mucky I	Mineral (F1)) LRR K, L))		Peat (S3) (LRR K, L, R)				
	_ayers (A5)					Matrix (F2)			Dark Surface (S7) (LI					
	Below Dark S	Surface (A	11)		eted Matri				Polyvalue Below Surface (S8) (LRR K, L)					
	Surface (A1		11)			ırface (F6)			☐ Thin Dark Surface (S9) (LRR K, L) ☐ Iron-Manganese Masses (F12) (LRR K, L, R)					
	ck Mineral (S			☐ Depl	eted Dark	Surface (F7	7)							
	yed Matrix (S			Redo	ox Depress	sions (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)					
Sandy Red		(דכ							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)					
Stripped M									Red Parent Material (
	iau ix (30) ice (S7) (LRF	D D MIDA	1/0R)						☐ Very Shallow Dark Su					
									Other (Explain in Ren	narks)				
			n and wet	land hydrology	must be p	present, un	less disturt	oed or probl	lematic.					
Restrictive La	yer (if obs	erved):												
Type:	200):								Hydric Soil Present?	Yes ● No ○				
Depth (inch	ies):													
Remarks: Soils meet hyd	dric coil crit	toria												
Soils meet nyo	aric son crii	teria.												

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 2-3
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 5.0 % / 2.9 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9301746087 Long.: -89.1831627281 Datum: WGS84
Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes	NWI classification:
	rear? Yes No (If no. explain in Remarks.)
Are climatic/hydrologic conditions on the site typical for this time of y Are Vegetation . Soil . or Hydrology . significan	(4.11)
	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	Is the Sampled Area
Hydric Soil Present? Yes No •	within a Wetland? Yes \(\cap \ No \(\bullet \)
Wetland Hydrology Present? Yes No •	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Le	` '
☐ High Water Table (A2) ☐ Aquatic Fauna (B: ☐ Saturation (A3) ☐ Marl Deposits (B1	
□ Saturation (A3) □ Marl Deposits (B1 □ Water Marks (B1) □ Hydrogen Sulfide	
	neres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	ed climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - Use scientific fiames of pic	ancs.			Sampling Point: Up 2-3
201 1	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1. Acer rubrum	50	✓	FAC	That are OBL, FACW, or FAC: 2 (A)
2. Prunus serotina	10		FACU	T
3	0			Total Number of Dominant Species Across All Strata: 4 (B)
4			-	
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
7				
Sapling/Shrub Stratum (Plot size: 15' radius)	60=	= Total Cove	r	Total % Cover of: Multiply by:
1	0			OBL species 0 x 1 = 0
2.				FACW species
	=			FAC species <u>60</u> x 3 = <u>180</u>
3				FACU species $25 \times 4 = 100$
4				UPL species $0 \times 5 = 0$
5			-	Column Totals: <u>85</u> (A) <u>280</u> (B)
6				
7				Prevalence Index = $B/A = 3.294$
Herb Stratum (Plot size: 5' radius)		= Total Cove	r	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1. Trientalis borealis	10	~	FAC	Dominance Test is > 50%
2. Pteridium aquilinum	10	~	FACU	Prevalence Index is ≤3.0 ¹
3. Dendrolycopodium obscurum	5	~	FACU	Morphological Adaptations ¹ (Provide supporting
4	0			data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				$^{ m 1}$ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
11				at bleast height (DDH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	=	= Total Cove	r	greater than 3.28 ft (1m) tall
	0			Herb - All herbaceous (non-woody) plants, regardless of
1,			-	size, and woody plants less than 3.28 ft tall.
2				.,
3				Woody vine - All woody vines greater than 3.28 ft in
4				height.
	=	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes ○ No ●
Boundary (Torollade whater many)				I
Remarks: (Include photo numbers here or on a separate sl	ieet.)			
Vegetation does not meet wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 2-3

Profile Desci	ription: (Des	scribe to	the depth	needed to document	the indic	ator or co	nfirm the a	absence of indicators.)	
Depth		Matrix			dox Featı	ires		_	
(inches)	Color (%	Color (moist)	%	Type 1	Loc²	Texture	Remarks
0-2	7.5YR	3/1	100					Sandy Loam	
2-4	7.5YR	5/2	100					Loamy Sand	E Horizon
4-8	7.5YR	4/4	100				-	Loamy Sand	
8-20	7.5YR	4/6	100		-			Loamy Sand	
			-		-		-		
1		Danielatia	- DM D			1616-		tion D. Donalisian M. N	
		=pepietio	п. км=кес	ucea Matrix, CS=Covere	eu or Coate	eu Sand Gra	ııııs ²Loca	ation: PL=Pore Lining. M=N	
Hydric Soil I				Polyvalue Belo	N Surface	ים ממו) (CQ)			ematic Hydric Soils: 3
	pedon (A2)			MLRA 149B)	W Surface ((30) (LKK K	,		(LRR K, L, MLRA 149B)
Black Hist				Thin Dark Surfa	ace (S9) (I	LRR R, MLR	A 149B)		ox (A16) (LRR K, L, R)
	Sulfide (A4)			Loamy Mucky I	Mineral (F1) LRR K, L)			or Peat (S3) (LRR K, L, R)
	Layers (A5)			Loamy Gleyed)		Dark Surface (S7)	Gurface (S8) (LRR K, L)
Depleted	Below Dark S	Surface (A	11)	Depleted Matri				Thin Dark Surface	
Thick Dar	k Surface (A1	12)		Redox Dark Su	. ,	_\			Masses (F12) (LRR K, L, R)
Sandy Mu	ıck Mineral (S	51)		Depleted Dark		/)			ain Soils (F19) (MLRA 149B)
	eyed Matrix (S4)		Redox Depress	ions (F8)				5) (MLRA 144A, 145, 149B)
☐ Sandy Re								Red Parent Mater	ial (F21)
	Matrix (S6)	D D MI DA	1400)					Very Shallow Darl	Surface (TF12)
	ace (S7) (LRF							Other (Explain in	Remarks)
³ Indicators o	f hydrophytic	vegetatio	n and wetla	and hydrology must be p	resent, un	less disturb	ed or proble	ematic.	
Restrictive L	ayer (if obs	erved):							
Type:								Undrie Ceil Brosont?	v
Depth (inc	hes):							Hydric Soil Present?	Yes O No •
Remarks:									
Soils do not r	meet hydric	soil crite	eria.						
ı									
ı									

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 2-4
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0
Subregion (LRR or MLRA): LRR K Lat.:	45.9289483554 Long.: -89.1835335583 Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes	NWI classification: PFO7
Are climatic/hydrologic conditions on the site typical for this time of y	year? Yes No (If no, explain in Remarks.)
	ntly disturbed? Are "Normal Circumstances" present? Yes • No
	Are Normal enganistances present.
, _ , , , , _ ,	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
v A v O	Is the Sampled Area
· · ·	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	
✓ Surface Water (A1) ✓ Water-Stained Le. ✓ High Water Table (A2) Aquatic Fauna (B:	` '
✓ High Water Table (A2) ☐ Aquatic Fauna (B: ✓ Saturation (A3) ☐ Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
Tryansgen samae	sheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	uction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	ce (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	:1
Water Table Present? Yes No Depth (inches):	:0 Wetland Hydrology Present? Yes • No O
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	tos, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot meets wetland hydrology criteria.	ned climatic conditions were wetter than normal for the time of the site visit. This

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
	% Cover		Status	Number of Dominant Species
1 Tsuga canadensis	40	✓	FACU	That are OBL, FACW, or FAC: (A)
2. Picea mariana		✓	FACW	Total Number of Dominant
3				Species Across All Strata:4(B)
4				
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
6	0			That are obt, racw, or rac.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	70 =	= Total Cover		Total % Cover of: Multiply by:
		_		OBL species90 x 1 =90
1 Tsuga canadensis		✓	FACU	FACW species <u>45</u> x 2 = <u>90</u>
2	-			FAC species
3				FACU species $55 \times 4 = 220$
4	=			UPL species $0 \times 5 = 0$
5				1
6	0			Column Totals: <u>190</u> (A) <u>400</u> (B)
7	0			Prevalence Index = B/A = <u>2.105</u>
Herb Stratum (Plot size: 5' radius)	15=	= Total Cover	•	Hydrophytic Vegetation Indicators:
Herb Stratum (Flot Size. 5 Tudius)				Rapid Test for Hydrophytic Vegetation
1 Sphagnum magellanicum	90	✓	OBL	Dominance Test is > 50%
2. Carex brunnescens	10		FACW	✓ Prevalence Index is ≤3.0 ¹
3. Gaultheria hispidula	5		FACW	Morphological Adaptations ¹ (Provide supporting
4	0			data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7	0			Indicators of hydric soil and wetland hydrology must
8	0			be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				greater than 0.20 it (1111) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cover		
				Hydrophytic
				Vegetation Yes • No •
Domanico (Indiado maste mumbaro baro en en escriberto	oot \			I
Remarks: (Include photo numbers here or on a separate she	eet.)			
Vegetation meets wetland criteria.				

Sampling Point: Wet 2-4

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 2-4

Profile Descri	iption: (Describe to	the depth r	needed to document	the indic	ator or co	nfirm the a	absence of indicators.)	
Depth	Matrix			dox Featu	res		_	
(inches)	Color (moist)	%	Color (moist)	%	Type 1	Loc2	Texture	Remarks
0-20	10YR 2/1	100		-		-	Muck	
							-	
			-	-				
-								
¹ Type: C=Cond	entration. D=Depletic	n. RM=Redu	ced Matrix. CS=Covere	d or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	trix
Hydric Soil I						2000		
Histosol (A			Polyvalue Belov	v Surface (S8) (I DD D			matic Hydric Soils: 3
Histic Epip	•		MLRA 149B)	v Surface (30) (EKK K	,	2 cm Muck (A10) (L	
Black Histi			Thin Dark Surfa	ice (S9) (L	RR R, MLR	A 149B)		(A16) (LRR K, L, R)
	Sulfide (A4)		Loamy Mucky N	1ineral (F1)) LRR K, L)			r Peat (S3) (LRR K, L, R)
	Layers (A5)		Loamy Gleyed I	Matrix (F2)			Dark Surface (S7) (
	Below Dark Surface (A	(11)	Depleted Matrix	(F3)				rface (S8) (LRR K, L)
	selow bank bandes (x) s Surface (A12)	,	Redox Dark Sur	face (F6)			Thin Dark Surface (
	ck Mineral (S1)		Depleted Dark	Surface (F7	7)			asses (F12) (LRR K, L, R)
	yed Matrix (S4)		Redox Depressi	ions (F8)				1 Soils (F19) (MLRA 149B)
Sandy Red							_	(MLRA 144A, 145, 149B)
Stripped M							Red Parent Material	
	ace (S7) (LRR R, MLRA	149B)					☐ Very Shallow Dark S	
							Other (Explain in Re	emarks)
Indicators of	hydrophytic vegetation	n and wetlan	d hydrology must be p	resent, unl	ess disturb	ed or proble	ematic.	
Restrictive La	yer (if observed):							
Type:								
Depth (inch	nes):						Hydric Soil Present?	Yes No
Remarks:							•	
Soils meet hyd	dric soil criteria.							
	a 55 5 5 5							
1								

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 2-4
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): convex Slope: 3.0 % / 1.7
Subregion (LRR or MLRA): LRR K Lat.:	45.9288495500 Long.: -89.1834653196 Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	, a
Are Vegetation . , Soil . , or Hydrology . significan	tly disturbed? Are "Normal Circumstances" present? Yes • No •
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	Is the Sampled Area
Hydric Soil Present? Yes No •	within a Wetland? Yes O No •
Wetland Hydrology Present? Yes No •	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Le	
☐ High Water Table (A2) ☐ Aquatic Fauna (B: ☐ Saturation (A3) ☐ Marl Deposits (B1	
□ Saturation (A3) □ Marl Deposits (B1) □ Water Marks (B1) □ Hydrogen Sulfide	
	crayiish burlows (co) eres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot does not meet wetland hydrology criteria.	ed climatic conditions were wetter than normal for the time of the site visit. This

vegeration - ose scientific fiames of pi	ancs.			Sampling Point: Up 2-4
(2)	Absolute	Dominant	Illuicatoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Tsuga canadensis		✓	FACU	That are OBL, FACW, or FAC:1(A)
2. Betula alleghaniensis	15		FAC	Total Number of Dominant
3. Acer rubrum	15		FAC	Species Across All Strata: 4 (B)
4	0			
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)
6				That are OBL, FACW, or FAC:
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	100 =	= Total Cove	r	Total % Cover of: Multiply by: OBL species
1 Abies balsamea	10	✓	FAC	
2				
3	_			FAC species $40 \times 3 = 120$
4	-			FACU species $85 \times 4 = 340$
5				UPL species $0 \times 5 = 0$
6.				Column Totals: 125 (A) 460 (B)
7				Prevalence Index = B/A = 3.680
		= Total Cove		·
Herb Stratum (Plot size: 5' radius)				Hydrophytic Vegetation Indicators:
1 Dendrolycopodium obscurum	10	✓	FACU	Rapid Test for Hydrophytic Vegetation
2 Tsuga canadensis		✓	FACU	☐ Dominance Test is > 50%
3				☐ Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				Problematic nydrophytic vegetation (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
9 10				T W
				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
11 12				at bloadt height (BBH), regardless of height.
12		 = Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)		- Total Cove	_	greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3				Moody vine All woody vines greater than 2.29 ft in
4	0			Woody vine - All woody vines greater than 3.28 ft in height.
T	0 =	= Total Cove	 r	
		- rotar cove	•	
				Hydrophytic
				Vegetation
				Present? Yes V NO V
				<u> </u>
Remarks: (Include photo numbers here or on a separate s	heet.)			
Vegetation does not meet wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 2-4

Depth		Cribe to Matrix	ате чери		dox Features	or connit	uie i	absence of indicators.)		
(inches)	Color (m		%	Color (moist)		pe ¹ L	Loc2	Texture	Ren	narks
0-2	7.5YR	3/1	100		-	<u> </u>		Sandy Loam		
2-8	10YR	5/2	100		-			Sandy Loam	E Horizon	
8-10	10YR	5/3	100		-			Sandy Loam		
10-20	7.5YR	4/4	100					Sandy Loam	•	
		.,.							•	
			-							
			-							
			-							
¹ Type: C=Con	centration. D=	Depletio	n. RM=Red	uced Matrix, CS=Cover	ed or Coated Sar	nd Grains	² Loca	ntion: PL=Pore Lining. M=M	atrix	
Hydric Soil 1	Indicators:							Indicators for Proble	ematic Hydri	c Soils: 3
Histosol (A1)				w Surface (S8) (LRR R,		2 cm Muck (A10)		
Histic Epi	pedon (A2)			MLRA 149B)	(CO) (LDD D	MIDA	(OD)	Coast Prairie Redo		
Black Hist					ace (S9) (LRR R		9B)	5 cm Mucky Peat		
	Sulfide (A4)				Mineral (F1) LRR	(K, L)		Dark Surface (S7)		
	Layers (A5)			Loamy Gleyed Depleted Matri				Polyvalue Below S		
	Below Dark Su		11)	Redox Dark Su				Thin Dark Surface	(S9) (LRR K,	L)
	k Surface (A12			Depleted Dark				☐ Iron-Manganese N	lasses (F12) (L	LRR K, L, R)
_	ıck Mineral (S1	-		Redox Depress	. ,			Piedmont Floodpla	in Soils (F19)	(MLRA 149B)
	eyed Matrix (S	4)			(. ,			Mesic Spodic (TA6		, 145, 149B)
Sandy Re	uox (55) Matrix (S6)							Red Parent Materi		
	ace (S7) (LRR	R. MI RA	149B)					Very Shallow Dark	•	2)
								Other (Explain in I	Remarks)	
			n and wetla	nd hydrology must be	present, unless d	listurbed o	r proble	ematic.		
Restrictive L	ayer (if obse	rved):								
Type:								Hydric Soil Present?	Yes 🔾	No •
Depth (inc	hes):							Tryunc Son Fresent:		NO S
Remarks:										
Soils do not r	neet hydric s	soil crite	eria.							
1										

	Project/Site: Lake Forest Condominiums	City/County: Tow	n of Washington, Vi	las Co. Sam	pling Date: 19-May-23
Landform (hillslope, terrace, etc.): Toeslope	Applicant/Owner: Dalmark Development Group, LLC		State: WI	Sampling Point	:: Wet 3-1
Subregion (IRR or MLRA):	Investigator(s): Ann Key, WDNR Prof. Assured	Section, Towns	hip, Range: S. 2	T. T40N	R. 10E
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation	Landform (hillslope, terrace, etc.): Toeslope	Local relief (concav	ve, convex, none)	concave	Slope: 0.0 % / 0.0 °
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation	Subregion (LRR or MLRA): LRR K La	 it.: 45.9287080395	Long.: -{	39.1869420257	Datum: WGS84
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation	Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes				
Are Vegetation		of year? Yes	No 🏵 (If n	o. explain in Rema	arks.)
Are Vegetation		•	•	•	
Summary of Findings - Attach site map showing sampling point locations, transects, important features, of Hydrophytic Vegetation Present? Yes No Yes Yes No Yes Yes No Yes Yes No Yes Yes Yes No Yes Yes Yes No Yes Yes Yes Yes Yes No Yes Yes Yes No Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Ye		-		•	
Hydrophytic Vegetation Present? Yes No No Hydric Soil Present? Yes No No Wetland Hydrology Present? Yes No No No No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community. Hydrology Wetland Hydrology Indicators:	, _ ,			_	-
Hydric Soil Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one required): Secondary Indicators (minimum of 2 required) Surface Soil Cracks (86) Surface Soil Cracks (86) Surface Soil Cracks (86) Wetland Hydrology Indicators: Primary Indicators (minimum of one required): Wetland Hydrology Indicators: Secondary Indicators (minimum of 2 required) Wetland Hydrology Indicators: Surface Soil Cracks (86) Surface Soil Cracks (86) Surface Soil Cracks (86) Day Season Water Table (A2) Aquatic Fauna (813) Marl Deposits (815) Wetland Hydrology Indicators (minimum of 2 required) Wetland Hydrology Indicators (minimum of 2 required) Wetland Hydrology Indicators (minimum of 2 required) Surface Soil Cracks (86) Day Season Water Table (A2) Aquatic Fauna (813) Marl Deposits (815) Dry Season Water Table (C2) Craylish Burrows (C8) Dry Season Water Table (C2) Craylish Burrows (C8) Dry Season Water Table (C2) Craylish Burrows (C8) Sturtator (Staturation (C4) Sturtator of Stressed Plants (D1) Sturtator of Stressed Plants (D1) Agal Mat or Crust (B4) Iron Deposits (B5) Tresence of Reduced Iron (C4) Spansely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Depth (inches): Owelland Hydrology Present? Yes No O		g sampling point	t locations, ti	i ansects, imp	ortant reatures, etc.
Wetland Hydrology Present? Yes ● No ○ Within a Wetland? Remarks: (Explain alternative procedures here or in a separate report.) No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community. Wetland Hydrology Indicators:	, , , ,	Is the Sam	npled Area	9 O	
Remarks: (Explain alternative procedures here or in a separate report.) No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community. Wetland Hydrology Wetland Hydrology Indicators:	y (a)	within a W	Vetland? Ye	s • No ·	
Hydrology Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A2) High Water Table (A2) Aquatic Fauna (B13) Mars True lines (B16) Suturation (A3) Hydrogen Sulfide Odor (C1) Setiment Deposits (B2) Orifide deposits (B2) Orifide deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Ves No Depth (inches): Owetiand Hydrology Present? Yes No Depth (inches): Owetiand Hydrology Present? Owetiand					
Wetland Hydrology Indicators: Secondary Indicators (minimum of 2 required) Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (B6) □ Surface Water (A1) ✓ Water-Stained Leaves (B9) Drainage Patterns (B10) ✓ High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ✓ Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Diff deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) ✓ Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Feld Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? (includes capillary fringe) Yes No Depth (inches): 0					
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Prainage Patterns (B10) Aquatic Fauna (B13) Moss Trim Lines (B16) Pry Season Water Table (C2) Water Marks (B1) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Pepth (inches): Water Table Present? Yes No Depth (inches): Dep	<u> </u>				
Surface Water (A1) ✓ Water-Stained Leaves (B9) ✓ High Water Table (A2) ✓ Aquatic Fauna (B13) ✓ Saturation (A3) ✓ Water Marks (B1) ✓ Sediment Deposits (B2) ✓ Drift deposits (B3) ✓ Presence of Reduced Iron (C4) ✓ Iron Deposits (B5) ✓ Inundation Visible on Aerial Imagery (B7) ✓ Sparsely Vegetated Concave Surface (B8) ✓ FAC-neutral Test (D5) Field Observations: Surface Water Present? ✓ Yes ✓ No ✓ Depth (inches): Surface Water (A1) ✓ Water Table (A2) ✓ Aquatic Fauna (B13) ✓ Moss Trim Lines (B16) ✓ Moss Trim Lines (B16) ✓ Presence (B16) ✓ Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) ✓ Microtopographic Relief (D4) ✓ FAC-neutral Test (D5)					
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Sediment Deposits (B2) □ Drift deposits (B3) □ Drift deposits (B3) □ Presence of Reduced Iron (C4) □ Recent Iron Reduction in Tilled Soils (C6) □ Iron Deposits (B5) □ Inundation Visible on Aerial Imagery (B7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No □ Depth (inches): Saturation Present? Yes No □ Depth (inches): Depth (inches): □ Depth (inches): □ Depth (inches): □ Oxidized Rhizospheres along Living Roots (C3) □ Saturation Visible on Aerial Imagery (C9) □ Stunted or Stressed Plants (D1) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) □ Microtopographic Relief (D4) □ FAC-neutral Test (D5) Field Observations: Surface Water Present? Yes No □ Depth (inches): □ Depth (inches): □ Owidized Rhizospheres along Living Roots (C3) □ Saturation Visible on Aerial Imagery (C9) □ Stunted or Stressed Plants (D1) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) □ Microtopographic Relief (D4) □ FAC-neutral Test (D5) Field Observations: Surface Water Present? Yes No □ Depth (inches): □ Depth (inches): □ Depth (inches): □ Owidized Rhizospheres along Living Roots (C3) □ Stunted or Stressed Plants (D1) □ Stunted or S				-	
□ Drift deposits (B3) □ Presence of Reduced Iron (C4) □ Stunted or Stressed Plants (D1) □ Algal Mat or Crust (B4) □ Recent Iron Reduction in Tilled Soils (C6) ☑ Geomorphic Position (D2) □ Iron Deposits (B5) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) ☑ FAC-neutral Test (D5) ☐ Field Observations: Surface Water Present? Yes ○ No ○ Depth (inches): □ Depth (inches): □ Other (Explain in Remarks) ☐ Wetland Hydrology Present? Yes ○ No ○ Depth (inches): □ Other (Explain in Remarks) ☐ No ○ Dep		` '			
Algal Mat or Crust (B4)			` ,		= ' ' '
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in Remarks) ☐ Microtopographic Relief (D4) ☐ Sparsely Vegetated Concave Surface (B8) ☐ FAC-neutral Test (D5) ☐ FAC-neutral Test (D5) ☐ Factorial Test (D5) ☐ F		` '	~	Geomorphic Position	(D2)
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes ○ No ○ Depth (inches): Saturation Present? (includes capillary fringe) Ves ○ No ○ Depth (inches): Depth (inches): 0 Wetland Hydrology Present? Yes ○ No ○ Ves ○ No ○ Depth (inches): O	☐ Iron Deposits (B5) ☐ Thin Muck Su	rface (C7)		Shallow Aquitard (D3	3)
Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches): Depth	Other (Explain	າ in Remarks)		Microtopographic Re	lief (D4)
Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches): O Wetland Hydrology Present? Yes No No No No Depth (inches): O	Sparsely Vegetated Concave Surface (B8)		✓	FAC-neutral Test (D5	5)
Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches): -6 Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0					
Saturation Present? (includes capillary fringe) Yes No Depth (inches): O Wetland Hydrology Present? Yes No No Depth (inches): O		es):			
(includes capillary fringe) Yes No Depth (inches): 0	Water Table Present? Yes No Depth (inch			Va	- (a) Na (
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	VAC (V) NA () Denth (inche	es): 0	Vetland Hydrology	y Present? Ye	S O NO O
	Describe Recorded Data (stream gauge, monitoring well, aerial p	hotos, previous inspecti	ions), if available:		
Remarks:	Remarks:				
The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.	The APT summarized data from local weather stations and deter	mined climatic condition	ns were wetter tha	an normal for the t	time of the site visit. This

VEGETATION - Use scientific fiames of pia	iiits.			Sampling Point: Wet 3-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 28' x 101')	% Cover	Species?	Status	Number of Dominant Species
1 Acer rubrum	80	✓	FAC	That are OBL, FACW, or FAC: 4 (A)
2. Betula alleghaniensis	25	✓	FAC	Total Number of Dominant
3	0			Species Across All Strata: 4 (B)
4	0			
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
6				Tildt Ale Obt., FACW, Of FAC:
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	105 =	= Total Cove	r	Total % Cover of: Multiply by: OBL species x 1 =
1 Betula alleghaniensis	5	✓	FAC	
2	0	$\bar{\Box}$		FACW species $25 \times 2 = 50$
3	-			FAC species $110 \times 3 = 330$
4	-			FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
6.				Column Totals: <u>137</u> (A) <u>382</u> (B)
7	=			Prevalence Index = B/A = <u>2.788</u>
Herb Stratum (Plot size: 5' radius)	5 =	= Total Cove	r	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1 Carex bromoides		~	FACW	✓ Dominance Test is > 50%
2. Dryopteris carthusiana			FACW	✓ Prevalence Index is ≤3.0 ¹
3. Glyceria striata			OBL	Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				1- "
7				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8				
9				Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 28' x 101')	=	= Total Cove	r	greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	=	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes • No O
Remarks: (Include photo numbers here or on a separate sh	east \			
Vegetation meets wetland criteria.	leet.)			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 3-1

Depth		Matrix				dox Featu			absence of indicators.)	
(inches)	Color (ı		%	Color (n		%	Type ¹	Loc2	Texture	Remarks
0-2	10YR	2/1	100	-	-	-	-	-	Muck	
2-10	7.5YR	6/1	80	7.5YR	5/3	20	С	М	Loamy Sand	
10-20	7.5YR	5/4	50	7.5YR	5/6	50		M	Loamy Sand	
			-		•			-		
-	-	-	-							
			-					-		
						_		-		
		-		-				-		
1										
		=Depletio	n. RM=Red	uced Matrix, C	S=Cover	ed or Coate	ed Sand Gra	ains ² Loca	ation: PL=Pore Lining. M=Mat	
Hydric Soil 1				□	. 5.	0.6	(60) (155 5		Indicators for Problen	natic Hydric Soils: 3
Histosol (•			☐ Polyva MLRA		w Surrace ((S8) (LRR F	ζ,	2 cm Muck (A10) (LI	RR K, L, MLRA 149B)
Black Hist	pedon (A2)			Thin D	oark Surf	ace (S9) (LRR R, MLF	RA 149B)	Coast Prairie Redox	
	Sulfide (A4)			Loamy	Mucky	Mineral (F1) LRR K, L)	ı	_	Peat (S3) (LRR K, L, R)
	Layers (A5)					Matrix (F2)			Dark Surface (S7) (L	
✓ Depleted		Surface (A	11)	☐ Deplet	ted Matri	x (F3)			Polyvalue Below Sur	
	k Surface (A1		•	Redox	Dark Su	ırface (F6)			Thin Dark Surface (S	
	ıck Mineral (S					Surface (F	7)			sses (F12) (LRR K, L, R) Soils (F19) (MLRA 149B)
Sandy Gle	eyed Matrix (S	54)		☐ Redox	Depress	sions (F8)				(MLRA 144A, 145, 149B)
✓ Sandy Re	dox (S5)								Red Parent Material	
Stripped I	Matrix (S6)								☐ Very Shallow Dark S	
Dark Surf	ace (S7) (LRF	R R, MLRA	A 149B)						Other (Explain in Re	` '
³ Indicators of	f hydrophytic	vegetatio	n and wetla	and hydrology r	nust be p	present, un	less disturb	ed or probl	lematic.	
Restrictive L										
Type:	u y c. (055	c. reaj.								
Depth (inc	hes):								Hydric Soil Present?	Yes No
Remarks:										
Soils meet hy	المم مالم	haula								
Soils Theet Hy	unc son cm	teria.								

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 3-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): Convex Slope: 6.0 % / 3.4 °
	45.9287856270 Long.: -89.1868309294 Datum: WGS84
	NWI classification:
Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes	
Are climatic/hydrologic conditions on the site typical for this time of y	
Are Vegetation $oxdot$, Soil $oxdot$, or Hydrology $oxdot$ significan	tly disturbed? Are "Normal Circumstances" present? Yes $lacktriangle$ No $lacktriangle$
Are Vegetation 🗌 , Soil 🗌 , or Hydrology 🔲 naturally	problematic? (If needed, explain any answers in Remarks.)
Summary of Findings - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Table Countries and American
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes No •
Wetland Hydrology Present? Yes ○ No ●	
Hydrology Wetland Hydrology Indicators:	Construction Indianage (minimum of 2 years in d)
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (minimum of 2 required) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea	
High Water Table (A2) Aquatic Fauna (Bi	
☐ Saturation (A3) ☐ Marl Deposits (B1	
☐ Water Marks (B1) ☐ Hydrogen Sulfide	Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosph	neres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)	ced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	ction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	ed climatic conditions were wetter than normal for the time of the site visit. This

vegeration - use scientific names or pla	IIICS.			Sampling Point: Up 3-1
(5)	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	_	Status	Number of Dominant Species
1 _. Tsuga canadensis	50	✓	FACU	That are OBL, FACW, or FAC: 4 (A)
2. Betula alleghaniensis	25	✓	FAC	Total Number of Dominant
3. Abies balsamea	10		FAC	Species Across All Strata:6(B)
4	0			
5				Percent of dominant Species That Are OBL_FACW_or_FAC: 66.7% (A/B)
6				That Are OBL, FACW, or FAC: 66.7% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	85=	= Total Cover	•	Total % Cover of: Multiply by:
1 Acer rubrum	15	✓	FAC	OBL species x 1 =
O. Abice beloomes		V	FAC	FACW species
3	-			FAC species <u>95</u> x 3 = <u>285</u>
	_			FACU species $75 \times 4 = 300$
4				UPL species $\frac{15}{}$ x 5 = $\frac{75}{}$
5				Column Totals:185 (A)660 (B)
6				Prevalence Index = B/A = 3.568
Herb Stratum (Plot size: 5' radius)	20=	= Total Cover		Hydrophytic Vegetation Indicators:
	40		FAC	Rapid Test for Hydrophytic Vegetation
1 Lycopodium clavatum		V	FAC	✓ Dominance Test is > 50%
2. Pteridium aquilinum	4-	~	FACU	Prevalence Index is ≤3.0 ¹
3. Carex pensylvanica			UPL	Morphological Adaptations ¹ (Provide supporting
4. Maianthemum canadense			FACU	data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				1
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Capling/obsub Woody plants loss than 2 in DDII and
Woody Vine Stratum (Plot size: 30' radius)		= Total Cover	•	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0	\Box		size, and woody plants less than 3.28 ft tall.
2		\Box		W 1 1 1 1 1 1 1 1 1
1	0	$\overline{\Box}$		Woody vine - All woody vines greater than 3.28 ft in height.
4.		= Total Cover		
				Hydrophytic Vegetation Present? Yes No
Remarks: (Include photo numbers here or on a separate she Vegetation does not meet wetland criteria.	eet.)			
vegetation does not meet wetland chteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 3-1

Profile Descri	ption: (Des	cribe to	the depth	needed to docume	ent the indic	cator or co	nfirm the a	absence of indicators.)				
Depth		Matrix			Redox Featu	ures		_				
(inches)	Color (r	noist)	%_	Color (moist)		Type 1	Loc2	Texture	Remarks			
0-1	7.5YR	3/1	100				-	Sandy Loam				
1-2	7.5YR	5/2	100					Loamy Sand	E Horizon			
2-20	7.5YR	4/4	100		-	-	-	Loamy Sand				
								-				
			-		-							
¹ Type: C=Cond	entration. D=	=Depletio	n. RM=Re	duced Matrix, CS=Cov	ered or Coate	ed Sand Gra	ins ² Loca	ition: PL=Pore Lining. M=	Matrix			
Hydric Soil I		•		,								
Histosol (A				Polyvalue Be	elow Surface ((S8) (LRR R	,		olematic Hydric Soils: 3			
Histic Epip				MLRA 149B))) (LRR K, L, MLRA 149B)			
☐ Black Histi	c (A3)			Thin Dark S	urface (S9) (LRR R, MLR	A 149B)		dox (A16) (LRR K, L, R) t or Peat (S3) (LRR K, L, R)			
Hydrogen	Sulfide (A4)				ky Mineral (F1							
Stratified L	_ayers (A5)				ed Matrix (F2))		☐ Dark Surface (S7) (LRR K, L, M) ☐ Polyvalue Below Surface (S8) (LRR K, L)				
	Below Dark S		11)	Depleted Ma				☐ Thin Dark Surface (S9) (LRR K, L)				
	Surface (A1				Surface (F6) ark Surface (F	7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R)				
	ck Mineral (S			Redox Depr		/)		Piedmont Flood	olain Soils (F19) (MLRA 149B)			
	yed Matrix (S	(4)		<u> Псиох Верг</u>	C3310113 (1 0)				A6) (MLRA 144A, 145, 149B)			
Sandy Rec								Red Parent Mate				
Stripped M	iatrix (56) ace (S7) (LRR	D MIDA	140P)						rk Surface (TF12)			
								Other (Explain in	n Remarks)			
Indicators of	hydrophytic	vegetatio	n and wetl	and hydrology must b	e present, un	less disturb	ed or proble	ematic.				
Restrictive La	yer (if obse	erved):										
Type:								U. d. (. C. () D				
Depth (inch	nes):							Hydric Soil Present?	Yes ○ No •			
Remarks:												
Soils do not m	neet hydric	soil crite	eria.									

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 4-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9295211370 Long.: -89.1866007959 Datum: WGS84
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	year? Yes No (If no, explain in Remarks.)
	ntly disturbed? Are "Normal Circumstances" present? Yes • No
	7 7 7 7 7 7 7 7.
	sampling point locations, transects, important features, etc.
, , , , , ,	Is the Sampled Area
V (A) N- (within a Wetland? Yes No
Wetland Hydrology Present? YeS	
Hydrology Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	
✓ Surface Water (A1) ✓ Water-Stained Lea	eaves (B9) Drainage Patterns (B10)
High Water Table (A2)	Moss Trim Lines (B16)
Saturation (A3)	
Water Marks (B1) Hydrogen Sulfide	
	heres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	` ´
Tues Develope (DE)	uction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface ☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	
Inundation Visible on Aerial Imagery (B/) Sparsely Vegetated Concave Surface (B8) Other (Explain in	Remarks)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	2
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes • No
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	0
Describe Recorded Data (stream gauge, monitoring well, aerial phot	tos, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot meets wetland hydrology criteria.	ned climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - USE Scientific fiames of pic	ants.			Sampling Point: Wet 4-1
(2)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 34' x 83')	% Cover	Species?	Status	Number of Dominant Species
1 Betula alleghaniensis		✓	FAC	That are OBL, FACW, or FAC:4(A)
2. Pinus strobus		✓	FACU	Total Number of Dominant
3				Species Across All Strata:5(B)
4				
5				Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
6				That the obly thony of the
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	55=	= Total Cove	r	
1 Abies balsamea	25	✓	FAC	FACW species $10 \times 2 = 20$
2. Pinus strobus	5		FACU	FAC species $60 \times 3 = 180$
3. Acer rubrum	5		FAC	1
4	0			· ·
5	0			UPL species $0 \times 5 = 0$
6	0			Column Totals: <u>145</u> (A) <u>365</u> (B)
7	0			Prevalence Index = B/A =2.517
		= Total Cove	r	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' radius)				Rapid Test for Hydrophytic Vegetation
1 Sphagnum magellanicum	30	✓	OBL	✓ Dominance Test is > 50%
2. Carex disperma	15	✓	OBL	✓ Prevalence Index is ≤3.0 ¹
3. Coptis trifolia	10		FACW	
4	0			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Carling/abouth Wands plants less than Cir. DDII and
	55 =	= Total Cove	r	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 34' x 83')				
1				Herb - All herbaceous (non-woody) plants, regardless of
2				size, and woody plants less than 3.28 ft tall.
3	=			Woody vine - All woody vines greater than 3.28 ft in
4				height.
	0 =	= Total Cove	r	
				Hydrophytic Vegetation
				Present? Yes • No •
Remarks: (Include photo numbers here or on a separate sh	neet.)			
Vegetation meets wetland criteria.	•			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 4-1

Profile Descri	ption: (Des	cribe to	the depth	needed to d	ocument	the indi	cator or co	onfirm the	absence of indicators.)					
Depth	th <u>Matrix</u> <u>Redox Features</u>													
(inches)	Color (ı		%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks			
0-3	7.5YR	2.5/2	100	-		-		-	Peat					
3-5	7.5YR	2.5/1	100		_	-			Muck					
5-20	10YR	5/2	90	10YR	4/3	10	С	М	Sandy Loam					
			-	•		-		-						
				-	-									
			-		-									
					-									
			-											
¹ Type: C=Conc	entration. D	=Depletio	n. RM=Red	luced Matrix, (CS=Covere	ed or Coat	ed Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=M	atrix				
Hydric Soil I	ndicators:								Indicators for Proble	ematic Hvdric	Soils: 3			
Histosol (A	A1)					w Surface	(S8) (LRR F	₹,	2 cm Muck (A10) (
Histic Epip					A 149B) Davik Surfi	(CO) (100 0 M	0A 140D\	Coast Prairie Redo					
Black Histi							LRR R, MLF		5 cm Mucky Peat of		· · ·			
	Sulfide (A4)					Matrix (F2	l) LRR K, L) \)	Dark Surface (S7)					
	ayers (A5)		44)		eted Matri	-	,		Polyvalue Below Surface (S8) (LRR K, L)					
✓ Depleted E	selow Dark S Surface (A1		11)			rface (F6)			Thin Dark Surface (S9) (LRR K, L)					
	ck Mineral (S	-				Surface (F			Iron-Manganese Masses (F12) (LRR K, L, R)					
_ `	yed Matrix (S	•			x Depress		-		Piedmont Floodplain Soils (F19) (MLRA 149B)					
Sandy Red		<i>31)</i>							✓ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)✓ Red Parent Material (F21)					
Stripped M											.			
	ice (S7) (LRF	R R, MLRA	149B)						✓ Very Shallow Dark Surface (TF12)✓ Other (Explain in Remarks)					
³ Indicators of	hydronhytic	vegetatio	n and wetla	and hydrology	must he r	oresent ur	nless disturt	ned or proble		ciriario)				
Restrictive La				,		<i>5.</i> 65 61.10, 41.		500 0. p. 05.						
Type:	iyei (ii obsi	erveu).												
Depth (inch	nes).								Hydric Soil Present?	Yes 💿	No O			
Remarks:	.00).													
Soils meet hyd	dric soil crit	oria												
Soils Theet Hyt	aric son crit	.ciia.												

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 4-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): CONVEX Slope: 8.0 % / 4.6 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9296305916 Long.: -89.1865906961 Datum: WGS84
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	(a. 1.) april
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No •	within a Wetland? Yes \(\cap \) No \(\cap \)
Wetland Hydrology Present? Yes ○ No •	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea High Water Table (A2) Aquatic Fauna (B)	` '
Saturation (A3) Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	neres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
Inundation Visible on Aerial Imagery (B7)	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	ed climatic conditions were wetter than normal for the time of the site visit. This

vegeration - use scientific names of pia	iiits.			Sampling Point: Up 4-1
(D)	Absolute	Dominant	Illaicacoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Abies balsamea	40	✓	FAC	That are OBL, FACW, or FAC: (A)
2 _. Tsuga canadensis	30	✓	FACU	Total Number of Dominant
3. Pinus resinosa			FACU	Species Across All Strata: 4 (B)
4. Acer rubrum			FAC	
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
6	0			That Are obt., FACW, of FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	110=	= Total Cove	r	Total % Cover of: Multiply by:
	25	✓	FAC	OBL species x 1 =
•			TAC	FACW species x 2 =
2				FAC species <u>85</u> x 3 = <u>255</u>
3	_			FACU species $50 \times 4 = 200$
4 5				UPL species $\frac{5}{}$ x 5 = $\frac{25}{}$
_	_			Column Totals: 140 (A) 480 (B)
6 7.				
		= Total Cove		·
Herb Stratum (Plot size: 5' radius)		- Total Cove	•	Hydrophytic Vegetation Indicators:
1 Dichanthelium xanthophysum	5	✓	UPL	Rapid Test for Hydrophytic Vegetation
2				☐ Dominance Test is > 50%
3				Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				Problematic Trydrophytic Vegetation (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10		$\overline{\Box}$		Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
		= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				greater than 0.20 it (1111) tail
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
				Hodrowko di o
				Hydrophytic Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation does not meet wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 4-1

Natrix
1
1
8-20 7.5YR 4/4 100 Loamy Sand 1 Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains 2 Location: PL=Pore Lining. M=Matrix Hydric Soil Indicators: Historic Soil Indicators: Indicators for Problematic Hydric Soils: 3
1 Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains 2 Location: PL=Pore Lining. M=Matrix Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
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Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) Dark Surface (S7) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Loamy Mucky Mineral (F1) LRR K, L) Dark Surface (S7) (LRR K, L, M) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S9) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Dark Surface (S7) (LRR K, L, M) Dark Surface (S7) (LRR K, L, M) Dark Surface (S8) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Depleted Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Dark Surface (F7) Depleted Dark Surface (F7) Redox Depressions (F8) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, M) Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Depleted Matrix (F2) Depleted Matrix (F3) Thin Dark Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Park Surface (F7) Redox Depressions (F8) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Thick Dark Surface (A12) Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Sandy Muck Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Pedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Park Surface (G2) (IRR R. MLRA 140R) Redox Depressions (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12)
Park Surface (CZ) / I.D.D. M. DA 140D)
☐ Dark Surface (S7) (LRR R, MLRA 149B)
outer (Explain in remains)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Type:
Depth (inches): Hydric Soil Present? Yes \(\cdot \) No \(\cdot \)
Remarks:
Soils do not meet hydric soil criteria.

Project/Site: Lake Forest Condominiums			City/County	: Town of Washingt	ton, Vil	as Co.	Sampling	Date: 19-May-23
Applicant/Owner: Dalmark Development	: Group, LLC			State: WI	I	Sampling F	Point:	Wet 5-1
Investigator(s): Ann Key, WDNR Prof.	Assured		Section,	Township, Range:	s. 24	– ⊦ ⊤. T₄	40N	R. 10E
Landform (hillslope, terrace, etc.): T	oeslope		_	concave, convex, n	_			Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K		Lat.:	45.92910108	379 Long	g.: -8	9.186733754	18	Datum: WGS84
Soil Map Unit Name: Au Gres loamy s	and; 0 to 3	percent slopes	-			NWI classific	ation:	
Are climatic/hydrologic conditions on	the site typ	ical for this time of y	ear? ۱	′es O No 💿	(If no	o, explain in F	Remarks.)
Are Vegetation \square , Soil \square ,	or Hydrolog	gy 🗌 significant	tly disturbed?	Are "Normal	l Circu	mstances" pr	esent?	Yes No
Are Vegetation \Box , Soil \Box ,	or Hydrolog	gy 🗌 naturally į	problematic?	(If needed, e	explai	n any answer	s in Rem	arks.)
Summary of Findings - Atta	ch site	map showing s	sampling	-	-	=		-
Hydrophytic Vegetation Present?	Yes	No O						
,		No O		he Sampled Area nin a Wetland?	Yes	s • No O		
Wetland Hydrology Present?	Yes I	No O						
Hudrology								
Hydrology								
Wetland Hydrology Indicators:	roquirod: c	shock all that apply)						m of 2 required)
Primary Indicators (minimum of one Surface Water (A1)	requirea; c	✓ Water-Stained Lea	avec (RQ)			Surface Soil Cra Drainage Patter		
✓ High Water Table (A2)		Aquatic Fauna (B1	. ,			Moss Trim Lines		
✓ Saturation (A3)		Marl Deposits (B15	-			Dry Season Wat		C2)
☐ Water Marks (B1)		Hydrogen Sulfide	Odor (C1)			Crayfish Burrow	ıs (C8)	
Sediment Deposits (B2)		Oxidized Rhizosph	neres along Livii	ng Roots (C3)		Saturation Visib	le on Aeria	al Imagery (C9)
Drift deposits (B3)		Presence of Reduc	ced Iron (C4)			Stunted or Stre		` '
Algal Mat or Crust (B4)		Recent Iron Reduc		oils (C6)		Geomorphic Pos	. ,	
☐ Iron Deposits (B5)☐ Inundation Visible on Aerial Imagery	(R7)	☐ Thin Muck Surface				Shallow Aquitar Microtopograph	, ,	24)
Sparsely Vegetated Concave Surface		Other (Explain in F	Remarks)			FAC-neutral Tes) 1)
Field Observations:	0							
Surface Water Present? Yes O	No O	Depth (inches):	2	_				
Water Table Present? Yes •	No O	Depth (inches):	0		rology	Procent?	Yes •	No O
Saturation Present? (includes capillary fringe) Yes	No O	Depth (inches):	0	—	lology	r resent:	100 0	110
Describe Recorded Data (stream gau	ge, monitor	ring well, aerial photo	os, previous i	nspections), if avail	ilable:			
Remarks:								
The APT summarized data from local sample plot meets wetland hydrology		ations and determine	ed climatic co	nditions were wett	ter tha	in normal for	the time	of the site visit. This

vegeration - use scientific fiames of pia	11165.			Sampling Point: Wet 5-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1 Abies balsamea	25	✓	FAC	That are OBL, FACW, or FAC:3(A)
2 _. Tsuga canadensis	20	✓	FACU	T. 18 1 65 1 1
3	0			Total Number of Dominant Species Across All Strata: 4 (B)
4			-	
5				Percent of dominant Species
6.				That Are OBL, FACW, or FAC: 75.0% (A/B)
7				Prevalence Index worksheet:
		= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' radius)	=	= Total Cove	F	
1	0			
2.		П		FACW species $5 \times 2 = 10$
3.	-	ī		FAC species $25 \times 3 = 75$
4	-	\Box		FACU species $\underline{20}$ x 4 = $\underline{80}$
				UPL species $0 \times 5 = 0$
5				Column Totals: 90 (A) 205 (B)
6				
7				Prevalence Index = B/A = 2.278
Herb Stratum (Plot size: 5' radius)	=	= Total Cove	Г	Hydrophytic Vegetation Indicators:
	25		OPI	Rapid Test for Hydrophytic Vegetation
1 Sphagnum magellanicum		V	OBL	✓ Dominance Test is > 50%
2. Carex disperma			OBL	✓ Prevalence Index is ≤3.0 ¹
3. Carex bromoides			FACW	Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
	· ·	= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)		- rotal cove	•	greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3.	0			Woody vine - All woody vines greater than 3.28 ft in
Λ.				height.
т.	0 =	= Total Cove		
		- iotai cove	•	
				Hydrophytic
				Vegetation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation meets wetland criteria.				
•				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 5-1

Profile Descri	ption: (De	scribe to	the depth	needed to d	locument	the indic	ator or co	onfirm the	absence of indicators.)					
Depth		Matrix		Redox Features				_						
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Rema	arks			
0-2	7.5YR	2.5/1	100	-		-	-	-	Mucky Peat					
2-20	7.5YR	5/2	85	7.5YR	5/4	15	С	М	Sandy Loam					
	-		-	-					-	-				
			-						-	-				
	-								-	-				
	<u>-</u>													
			-											
	-				-									
¹ Type: C=Conc	entration. D	=Depletio	n. RM=Rec	luced Matrix,	CS=Covere	ed or Coate	ed Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=M	1atrix				
Hydric Soil Ir				- 1					Indicators for Probl		Soils: 3			
Histosol (A				Poly	value Belov	w Surface ((S8) (LRR F	۲,		•	Julia .			
Histic Epip					A 149B)		() (7	2 cm Muck (A10)					
Black Histic				Thin	Dark Surfa	ace (S9) (I	LRR R, MLF	RA 149B)	Coast Prairie Redo					
	Sulfide (A4)			Loan	ny Mucky I	Mineral (F1) LRR K, L)	5 cm Mucky Peat		R K, L, R)			
	ayers (A5)			Loan	ny Gleyed	Matrix (F2))		Dark Surface (S7)					
	Below Dark S	Surface (A:	11)		eted Matri				☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Thin Dark Surface (S9) (LRR K, L)					
	Surface (A			Redo	x Dark Su	rface (F6)			☐ Irin Dark Surface (S9) (LRR K, L) ☐ Iron-Manganese Masses (F12) (LRR K, L, R)					
Sandy Muc	ck Mineral (9	51)		L Depl	eted Dark	Surface (F	7)		Piedmont Floodplain Soils (F19) (MLRA 149B)					
	yed Matrix (Redo	x Depress	ions (F8)			☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)					
Sandy Red											143, 1496)			
Stripped M	latrix (S6)								☐ Red Parent Material (F21) ☐ Very Shallow Dark Surface (TF12)					
☐ Dark Surfa	ice (S7) (LR	R R, MLRA	149B)						Other (Explain in					
³ Indicators of	hydronhytic	vegetatio	n and wetla	and hydrology	must he r	recent un	loce dictur	ned or proble		rternario				
			ii ana wea	and mydrology	mast be p	reserie, un	icoo diotari	oca or proble	ciriduc.					
Restrictive La	iyer (if obs	erved):												
Type:	`								Hydric Soil Present?	Yes 💿	No O			
Depth (inch	nes):								,	163 ©	110 ©			
Remarks:														
Soils meet hyd	dric soil cri	teria.												

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 19-May-23	
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 5-1	_
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E	
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 5.0 % /	2.9°
Subregion (LRR or MLRA): LRR K Lat.:	45.9291864320 Long.: -89.1866350266 Datum: WGS84	
Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes	NWI classification:	
Are climatic/hydrologic conditions on the site typical for this time of y	rear? Yes No (If no, explain in Remarks.)	
	tly disturbed? Are "Normal Circumstances" present? Yes • No	
	,	
	problematic? (If needed, explain any answers in Remarks.)	
	sampling point locations, transects, important features, et	C.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area	
Hydric Soil Present? Yes No •	within a Wetland? Yes No No	
Wetland Hydrology Present? Yes O No •		
Hydrology		
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)	
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)	
Surface Water (A1) Water-Stained Le		
☐ High Water Table (A2) ☐ Aquatic Fauna (B: ☐ Saturation (A3) ☐ Marl Deposits (B1		
□ Saturation (A3) □ Marl Deposits (B1) □ Water Marks (B1) □ Hydrogen Sulfide		
	eres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)	
☐ Drift deposits (B3) ☐ Presence of Redu		
	ction in Tilled Soils (C6) Geomorphic Position (D2)	
☐ Iron Deposits (B5) ☐ Thin Muck Surface		
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in		
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)	
Field Observations:		
Surface Water Present? Yes No Depth (inches):		
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●	
Saturation Present? (includes capillary fringe) Yes No Depth (inches):		
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:	
Remarks:		
The APT summarized data from local weather stations and determin sample plot does not meet wetland hydrology criteria.	ed climatic conditions were wetter than normal for the time of the site visit. This	

VEGETATION - USE Scientific fiames of pia	11103.			Sampling Point: Up 5-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Abies balsamea	30	✓	FAC	That are OBL, FACW, or FAC: 4 (A)
2 _. Betula alleghaniensis	30	✓	FAC	T
3	0			Total Number of Dominant Species Across All Strata: 5 (B)
4			-	
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
7				
Sapling/Shrub Stratum (Plot size: 15' radius)	60=	= Total Cove	r	Total % Cover of: Multiply by:
1 Abies balsamea	5	✓	FAC	OBL species x 1 =
2				FACW species
				FAC species $\underline{78}$ x 3 = $\underline{234}$
3	-			FACU species $10 \times 4 = 40$
4			-	UPL species $0 \times 5 = 0$
5				Column Totals: 88 (A) 274 (B)
6	=			
7				Prevalence Index = $B/A = 3.114$
Herb Stratum (Plot size: 5' radius)	5=	= Total Cove	r	Hydrophytic Vegetation Indicators:
		_		Rapid Test for Hydrophytic Vegetation
1. Maianthemum canadense		✓	FACU	✓ Dominance Test is > 50%
2. Lycopodium clavatum	10	✓	FAC	Prevalence Index is ≤3.0 ¹
3. Trientalis borealis	3		FAC	
4	0			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
9				
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
11				at breast height (DBH), regardless of height.
12	-			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	= =	= Total Cove	r	greater than 3.28 ft (1m) tall
	0			Lloyb All barbaccas (non woods) plants, regardless of
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2	0			oles, and woody plante loss than 6.25 it tail.
3	·=			Woody vine - All woody vines greater than 3.28 ft in
4				height.
	0 =	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes No
				<u>I</u>
Remarks: (Include photo numbers here or on a separate sh	ieet.)			
Vegetation does not meet wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 5-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth		Matrix		Re	dox Featu	res					
(inches)	Color (r	moist)	%	Color (moist)	%	Type 1	Loc ²	Texture	Remarks		
0-4	7.5YR	3/1	100		-	-	-	Sandy Loam			
4-6	7.5YR	5/2	100		-	-	-	Loamy Sand	E Horizon		
6-20	7.5YR	4/4	100		-	-	-	Loamy Sand			
					_						
									 		
					-						
				·							
			-								
				· ——							
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Rec	luced Matrix, CS=Covere	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=M	atrix		
Hydric Soil I	indicators:							Indicators for Probl	ematic Hydric Soils: 3		
Histosol (A	A1)			Polyvalue Belo	w Surface (S8) (LRR R	,		(LRR K, L, MLRA 149B)		
Histic Epip	pedon (A2)			MLRA 149B)	(50) (1		4.405)		x (A16) (LRR K, L, R)		
Black Hist	ic (A3)			☐ Thin Dark Surfa			A 149B)		or Peat (S3) (LRR K, L, R)		
	Sulfide (A4)			Loamy Mucky I				Dark Surface (S7)			
	Layers (A5)			Loamy Gleyed					urface (S8) (LRR K, L)		
	Below Dark S		11)	☐ Depleted Matri ☐ Redox Dark Su				☐ Thin Dark Surface (S9) (LRR K, L)			
	k Surface (A1			Depleted Dark		7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R)			
	ıck Mineral (S			Redox Depress		′)			in Soils (F19) (MLRA 149B)		
	eyed Matrix (S	54)		Redux Depress	10115 (1 0)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy Red								Red Parent Material (F21)			
	Matrix (S6)							Very Shallow Dark Surface (TF12)			
☐ Dark Surfa	ace (S7) (LRR	R R, MLRA	149B)					Other (Explain in	Remarks)		
³ Indicators of	f hydrophytic	vegetatio	n and wetla	and hydrology must be p	resent, un	ess disturb	ed or proble	ematic.			
Restrictive La	ayer (if obse	erved):									
Type:											
Depth (incl	hes):							Hydric Soil Present?	Yes O No 💿		
Remarks:								1			
Soils do not n	noot hydric	soil crite	vria								
Solis do not n	neet nyunc	Son Citte	iia.								

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 6-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9307929773 Long.: -89.1856839666 Datum: WGS84
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	year? Yes No (If no, explain in Remarks.)
	itly disturbed? Are "Normal Circumstances" present? Yes No O
	rac normal encumbances present.
_ , _ , , , , , , , , , , , , , , , , ,	problematic? (If needed, explain any answers in Remarks.) sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes • No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
v	within a Wetland? Yes S NO
Wetland Hydrology Present? Yes NO Remarks: (Explain alternative procedures here or in a separate repo	
community.	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	
✓ Surface Water (A1) ✓ Water-Stained Lex ✓ High Water Table (A2) Aquatic Fauna (B:	
✓ High Water Table (A2) ☐ Aquatic Fauna (B: ✓ Saturation (A3) ☐ Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	heres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	uction in Tilled Soils (C6)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
✓ Inundation Visible on Aerial Imagery (B7)	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	66
Water Table Present? Yes No Depth (inches):	
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	0
Describe Recorded Data (stream gauge, monitoring well, aerial phot	tos, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot meets wetland hydrology criteria.	ned climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - USE Scientific fiames of pic	ancs.			Sampling Point: Wet 6-1
(D)	Absolute	Dominant	Illaicacoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Pinus strobus	30	✓	FACU	That are OBL, FACW, or FAC:
2. Acer rubrum	20	✓	FAC	Total Number of Dominant
3	0			Species Across All Strata: 6 (B)
4	0			
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)
6				That Are OBL, FACW, or FAC: 83.3% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	50=	= Total Cove	r	Total % Cover of: Multiply by: OBL species 55 x 1 = 55
1 Picea mariana	15	✓	FACW	
2. Abies balsamea	5	<u></u>	FAC	FACW species $15 \times 2 = 30$
3	-		-	FAC species $30 \times 3 = 90$
4				FACU species $30 \times 4 = 120$
5				UPL species $0 \times 5 = 0$
6.	_			Column Totals: 130 (A) 295 (B)
7				Prevalence Index = B/A = 2.269
		= Total Cove		· —
Herb Stratum (Plot size: 5' radius)		- rotar cove	•	Hydrophytic Vegetation Indicators:
1 Sphagnum magellanicum	30	✓	OBL	Rapid Test for Hydrophytic Vegetation
2. Carex disperma		~	OBL	✓ Dominance Test is > 50%
			FAC	✓ Prevalence Index is ≤3.0 ¹
3. Irientalis borealis 4. Ledum groenlandicum		Ī	OBL	Morphological Adaptations ¹ (Provide supporting
5		\Box	<u> </u>	data in Remarks or on a separate sheet)
		\Box		☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	60=	= Total Cove	r	greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes No
				Present? 165 0 110 0
Remarks: (Include photo numbers here or on a separate sh	neet.)			
Vegetation meets wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 6-1

	ription: (De		the dept				nfirm the a	absence of indicators.)				
Depth (inches)	Color (Matrix	0/-		dox Featu	res Type ¹	1.002	Taxtuus	Domarko			
	Color (%_	Color (moist)	%		Loc ²	Texture	Remarks			
0-2	7.5YR	2.5/1	100		-			Muck				
2-20	7.5YR	5/1	-					Sandy Loam				
	-		-					-				
	-		-					-				
	-		-									
	-		-									
1Tymou C—Con	contration C			duced Matrix CC-Cover	od or Coate	ad Cand Cra	inc 21 occ	stion. DI —Doro Lining M—M	ntuit.			
		Debietioi	ı. KIYI=KE	uuceu matrix, CS=C0Vere	eu or coate	eu sand Gra	mis -Loca	ation: PL=Pore Lining. M=M				
Hydric Soil 1				□ - · ·		(aa)		Indicators for Proble	ematic Hydric Soils: 3			
Histosol (Polyvalue Below MLRA 149B)	w Surface ((S8) (LRR R	,	2 cm Muck (A10) ((LRR K, L, MLRA 149B)			
	pedon (A2)			Thin Dark Surfa	ace (SQ) (I	IDD D MID	Λ 14QR)	Coast Prairie Redo	x (A16) (LRR K, L, R)			
Black Hist				Loamy Mucky I			A 1430)	5 cm Mucky Peat of	or Peat (S3) (LRR K, L, R)			
	Sulfide (A4)							Dark Surface (S7)	(LRR K, L, M)			
	Layers (A5)			Loamy Gleyed)			urface (S8) (LRR K, L)			
	Below Dark		11)	✓ Depleted Matri ☐ Redox Dark Su				Thin Dark Surface				
	k Surface (A					71		☐ Iron-Manganese Masses (F12) (LRR K, L, R)				
Sandy Mu	ıck Mineral (S	51)		Depleted Dark		/)		Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Gle	eyed Matrix (S4)		Redox Depress	sions (F8)) (MLRA 144A, 145, 149B)			
Sandy Re	dox (S5)							Red Parent Materia				
Stripped I	Matrix (S6)							Very Shallow Dark				
☐ Dark Surf	ace (S7) (LR	R R, MLRA	149B)					Other (Explain in R				
³ Indicators of	f hydrophytic	vegetatio	n and wet	land hydrology must be p	oresent, un	less disturb	ed or proble		•			
Restrictive L				· · / · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		-					
	ayer (II obs	erveu):										
Type:								Hydric Soil Present?	Yes No			
Depth (inc	hes):							,	165 0 110 0			
Remarks:												
Soils meet hy	dric soil cri	teria.										

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 6-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 5.0 % / 2.9 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9307692558 Long.: -89.1855305040 Datum: WGS84
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	
	tly disturbed? Are "Normal Circumstances" present? Yes • No •
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No •	within a Wetland? Yes \(\cap \ No \(\bullet \)
Wetland Hydrology Present? Yes O No •	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
☐ Surface Water (A1) ☐ Water-Stained Lea ☐ High Water Table (A2) ☐ Aquatic Fauna (B)	
☐ High Water Table (A2) ☐ Aquatic Fauna (B: ☐ Saturation (A3) ☐ Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	eres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)	
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	e (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	ed climatic conditions were wetter than normal for the time of the site visit. This

vegeration - use scientific names of pia	111 CS .			Sampling Point: Up 6-1
(2)	Absolute	Dominant	Illaicacoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Abies balsamea	30	✓	FAC	That are OBL, FACW, or FAC: 4 (A)
2 _. Betula papyrifera	30	✓	FACU	T. 18. 1. 65. 1.
3. Acer rubrum	20	✓	FAC	Total Number of Dominant Species Across All Strata: 6 (B)
4				Species / icioss / iii sciatal
5		П		Percent of dominant Species
6.		П		That Are OBL, FACW, or FAC: 66.7% (A/B)
7		П		Prevalence Index worksheet:
7		- Total Cava		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' radius)	=	= Total Cove	Γ	
1 Abies balsamea	50	✓	FAC	
2.				FACW species
3		П		FAC species $\underline{105}$ x 3 = $\underline{315}$
4.	_	П		FACU species $35 \times 4 = 140$
5		П	-	UPL species $0 \times 5 = 0$
_	_	П		Column Totals: 140 (A) 455 (B)
6		П		
7				Prevalence Index = B/A = 3.250
Herb Stratum (Plot size: 5' radius)	50=	= Total Cove	r	Hydrophytic Vegetation Indicators:
	-		FACU	Rapid Test for Hydrophytic Vegetation
1 Vaccinium angustifolium		~	FACU	✓ Dominance Test is > 50%
2. Trientalis borealis		~	FAC	Prevalence Index is ≤3.0 ¹
3				Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
12.		= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)		- rotal cove	•	greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2.	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine All woody vines greater than 2.20 ft in
1				Woody vine - All woody vines greater than 3.28 ft in height.
Т.	0 =	= Total Cove	-	l long in
		- Iotal cove		
				Hydrophytic
				Vogatation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	neet.)			
Vegetation meets wetland criteria due to FAC species but	soils are not	hydric, no hy	drology in	dicators were observed and topographic position was
indicative of upland.		, ,	3,	, , , , , , , , , , , , , , , , , , , ,

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 6-1

Profile Descr	iption: (Des	cribe to	the depth	needed to doc	ument the	indica	tor or co	nfirm the a	absence of indicato	rs.)			
Depth (inches)													
(inches)	Color (I			Color (mo	ist)	%	Type ¹	Loc ²	Texture		Ren	narks	
0-1	7.5YR	3/1	100						Sandy Loam		E Harizan		
1-3	7.5YR	5/2	100				-		Loamy Sand		E Horizon		
3-20	7.5YR	4/6	100	<u> </u>	<u> </u>		-	-	Loamy Sand				
									-				
			-										
1Type: C=Cond	centration D	=Denletio	n RM=Rec	luced Matrix CS=	Covered o	r Coated	Sand Gra	ins 21 oca	ation: PL=Pore Lining.	M=Ma	itriy		
Hydric Soil I		Веріссіо	n. ra-i-rec	ideed Flatrix, es-	-covered or	Cource	i Saria Gra	1115 LOCG				3	
Histosol (/				Polyvyalu	ie Below Su	ırface (S	(8) (I RR R		Indicators for I				
,	pedon (A2)			MLRA 1		muce (S	O) (LIKITI)	,			LRR K, L, MLF		
Black Hist				Thin Da	rk Surface ((S9) (LF	RR R, MLR	A 149B)	☐ Coast Prairie Redox (A16) (LRR K, L, R)☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)				
	Sulfide (A4)			Loamy I	Mucky Mine	ral (F1)	LRR K, L)						
_	Layers (A5)			Loamy (Gleyed Matr	rix (F2)					(LRR K, L, M) Irface (S8) (LI		
Depleted	Below Dark S	Surface (A	11)		d Matrix (F3						(S9) (LRR K,		
☐ Thick Darl	k Surface (A1	.2)			Dark Surface								
Sandy Mu	ıck Mineral (S	51)			d Dark Surf)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Gle	eyed Matrix (S	54)		☐ Redox L	Depressions	(F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
Sandy Red									Red Parent Material (F21)				
	Matrix (S6)								☐ Very Shallow Dark Surface (TF12)				
☐ Dark Surfa	ace (S7) (LRF	R R, MLRA	(149B)						Other (Expla	in in R	emarks)		
³ Indicators of	f hydrophytic	vegetatio	n and wetl	and hydrology mu	ıst be prese	ent, unle	ess disturbe	ed or proble	ematic.				
Restrictive La	ayer (if obs	erved):											
Туре:													
Depth (incl	hes):								Hydric Soil Prese	ent?	Yes 🔾	No 💿	
Remarks:									Ш				
Soils do not n	neet hydric	soil crite	eria.										
		55 565											

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 7-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0
Subregion (LRR or MLRA): LRR K Lat.	: 45.9314975765
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of	f year? Yes No (If no, explain in Remarks.)
	antly disturbed? Are "Normal Circumstances" present? Yes No
, _ , ,	y problematic? (If needed, explain any answers in Remarks.) y sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No No	sampling point locations, transects, important reatures, etc.
, , , , , , , , , , , , , , , , , , ,	Is the Sampled Area within a Wetland? Yes No
V (A) N- (within a Wetland? Yes © NO O
Wetland Hydrology Present? Yes NO	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply	
✓ Surface Water (A1) ✓ Water-Stained L	
✓ High Water Table (A2) ☐ Aquatic Fauna (✓ Saturation (A3) ☐ Marl Deposits (I	
I I I I I I I I I I I I I I I I I I I	
☐ Drift deposits (B3) ☐ Presence of Rec	, , , ,
	duction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surfa	
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain i	
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):8
Water Table Present? Yes No Depth (inches	s):0 Wetland Hydrology Present? Yes
Saturation Present? (includes capillary fringe) Yes No Depth (inches	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	
	ined climatic conditions were wetter than normal for the time of the site visit. This

vederation - use scientific fiames of pla	iiits.			Sampling Point: Wet 7-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 . Larix laricina	5	✓	FACW	That are OBL, FACW, or FAC: 4 (A)
2	0			Total Number of Dominant
3	0			Species Across All Strata: 4 (B)
4	0			
5				Percent of dominant Species That Are OBL FACW or FAC: 100.0% (A/B)
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)		= Total Cove	•	Total % Cover of: Multiply by:
1 Pinus strobus	3		FACU	OBL species <u>45</u> x 1 = <u>45</u>
2				FACW species $10 \times 2 = 20$
3				FAC species $0 \times 3 = 0$
4	-			FACU species $3 \times 4 = 12$
5				UPL species $0 \times 5 = 0$
		Ī		Column Totals: 58 (A) 77 (B)
6				
7				Prevalence Index = B/A = 1.328
Herb Stratum (Plot size: 5' radius)	=	= Total Cove		Hydrophytic Vegetation Indicators:
	20	✓	OBL	Rapid Test for Hydrophytic Vegetation
1 Scirpus cyperinus		✓		✓ Dominance Test is > 50%
2. Ledum groenlandicum		✓	OBL	✓ Prevalence Index is ≤3.0 ¹
3. Calamagrostis canadensis			OBL	Morphological Adaptations ¹ (Provide supporting
4. Spiraea tomentosa			FACW	data in Remarks or on a separate sheet)
5				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				17.1
7				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12	0			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	50=	= Total Cove		greater than 3.28 ft (1m) tall
	0			Herb - All herbaceous (non-woody) plants, regardless of
1				size, and woody plants less than 3.28 ft tall.
2				
3	0			Woody vine - All woody vines greater than 3.28 ft in height.
4				neight.
	=	= Total Cove		
				Hodraub, dia
				Hydrophytic Vegetation
				Present? Yes • No •
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation meets wetland criteria.	•			
Vegetation meets Wetana entena				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 7-1

Profile Descri	ption: (Desci	ibe to t	he depth	needed to documen	t the indic	ator or co	nfirm the a	absence of indicators.)	
Depth		atrix			dox Featu	ıres		_	
(inches)	Color (mo	oist)	%	Color (moist)	%	Type 1	Loc2	Texture	Remarks
0-20	7.5YR	2.5/2	100		-		-	Muck	
			p-				-		
				-	_				
-			-	-					
¹ Type: C=Conc	entration. D=[epletion	n. RM=Rec	luced Matrix, CS=Cover	ed or Coate	ed Sand Gra	nins ² Loca	ition: PL=Pore Lining. M=M	atrix
Hydric Soil I		-		,					
Histosol (A				Polyvalue Belo	w Surface ((S8) (LRR R			ematic Hydric Soils: 3
Histic Epip	•			MLRA 149B)		(50) (2	•		(LRR K, L, MLRA 149B)
Black Histi				Thin Dark Surf	ace (S9) (I	LRR R, MLR	A 149B)		x (A16) (LRR K, L, R)
	Sulfide (A4)			Loamy Mucky	Mineral (F1) LRR K, L)			or Peat (S3) (LRR K, L, R)
	_ayers (A5)			Loamy Gleyed	Matrix (F2))		Dark Surface (S7)	
	Below Dark Sur	face (A1	1)	Depleted Matri	x (F3)				urface (S8) (LRR K, L)
	Surface (A12)		,	Redox Dark Su	ırface (F6)			☐ Thin Dark Surface	
	ck Mineral (S1)			Depleted Dark	Surface (F	7)			lasses (F12) (LRR K, L, R)
	yed Matrix (S4)			Redox Depress	sions (F8)				in Soils (F19) (MLRA 149B)
Sandy Red) (MLRA 144A, 145, 149B)
Stripped M								Red Parent Materia	
	ice (S7) (LRR F	, MLRA	149B)					Very Shallow Dark	
				and be dealers as a second by		la a a diamana		Other (Explain in F	kemarks)
			and wetia	and hydrology must be	present, un	iess disturb	ea or proble	ematic.	
Restrictive La	yer (if obser	ved):							
Type:								Hydric Soil Present?	v
Depth (inch	nes):							nyaric Soil Present?	Yes No
Remarks:									
Soils meet hyd	dric soil criter	ia.							
1									

Project/Site: Lake Forest Condominiums	City/County: Town of Washington	on, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI	Sampling Point: Up 7-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range:	s. 24 r. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, n	one): convex Slope: 12.0 % / 6.8 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9315798976 Long	∴ -89.1869758485 Datum: WGS84
Soil Map Unit Name: Sayner-Rubicon complex; 6 to 15 percent slope		NWI classification:
	O O	
Are climatic/hydrologic conditions on the site typical for this time of y		(If no, explain in Remarks.)
Are Vegetation . , Soil . , or Hydrology . significant	ly disturbed? Are "Normal	Circumstances" present? Yes No
Are Vegetation 🔲 , Soil 🗌 , or Hydrology 🔲 naturally p	oroblematic? (If needed, e	explain any answers in Remarks.)
Summary of Findings - Attach site map showing s	sampling point location	s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	To the Committee of America	
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland?	Yes O No 💿
Wetland Hydrology Present? Yes ○ No •		
Hydrology Wetland Hydrology Indicators:		Consider Indicator (minimum of 2 manimal)
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of 2 required) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea	aves (R9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B1	` '	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B1)	·	Dry Season Water Table (C2)
☐ Water Marks (B1) ☐ Hydrogen Sulfide	Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosph	eres along Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)	ced Iron (C4)	Stunted or Stressed Plants (D1)
	ction in Tilled Soils (C6)	Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	` '	Shallow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in F Sparsely Vegetated Concave Surface (B8)	Remarks)	☐ Microtopographic Relief (D4) ☐ FAC-neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No Depth (inches):		
Water Table Present? Yes No Depth (inches):		ology Present? Yes O No 💿
Saturation Present? (includes capillary fringe) Yes No • Depth (inches):		
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if avail	able:
Remarks:		
The APT summarized data from local weather stations and determine sample plot does not meet wetland hydrology criteria.	ed climatic conditions were wetto	er than normal for the time of the site visit. This

vegeration - use scientific names of pla	iiits.			Sampling Point: Up 7-1
(5)	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius	% Cover	_	Status	Number of Dominant Species
1. Quercus rubra	30	✓	FACU	That are OBL, FACW, or FAC: (A)
2. Populus tremuloides (NGL)	30	✓	FAC	Total Number of Dominant
3. Betula papyrifera	15		FACU	Species Across All Strata:6(B)
4. Acer rubrum			FAC	
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
6	0			That Are Obl., FACW, OF FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	85	= Total Cover	r	Total % Cover of: Multiply by: OBL species0 x 1 =0
1_ Abies balsamea	10	✓	FAC	FACW species $0 \times 2 = 0$
2. Pinus strobus	-	✓	FACU	
3	0			FAC species $\underline{50}$ x 3 = $\underline{150}$
4	_			FACU species $\frac{73}{10}$ x 4 = $\frac{292}{10}$
5	0			UPL species $\frac{10}{}$ x 5 = $\frac{50}{}$
6				Column Totals: <u>133</u> (A) <u>492</u> (B)
7				Prevalence Index = B/A = 3.699
Herb Stratum (Plot size: 5' radius)	15=	= Total Cover	r	Hydrophytic Vegetation Indicators:
1 Bromus pubescens	15	✓	FACU	Rapid Test for Hydrophytic Vegetation
2. Linaria vulgaris		<u> </u>	UPL	☐ Dominance Test is > 50%
3 Gymnocarpium dryopteris			FACU	Prevalence Index is ≤3.0 ¹
4. Pinus strobus			FACU	Morphological Adaptations ¹ (Provide supporting
5				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
6				Problematic hydrophytic vegetation - (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
9 10				
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12				at broadt Holgitt (BBH), rogardiode of Holgitt.
Woody Vine Stratum (Plot size: 30' radius)		= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
	0			Herb - All herbaceous (non-woody) plants, regardless of
1,			-	size, and woody plants less than 3.28 ft tall.
2				
3				Woody vine - All woody vines greater than 3.28 ft in
4		= Total Cover		height.
				Hydrophytic Vegetation Present? Yes ○ No ●
Domayke (Include photo numbers here as an a constant	oot)			
Remarks: (Include photo numbers here or on a separate sh Vegetation does not meet wetland criteria.	eet.)			
<u> </u>				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 7-1

Profile Descri	iption: (Des	cribe to	the dept	h needed to	documen	t the indic	ator or co	nfirm the a	absence of indica	itors.)		
Depth		Matrix				edox Featu			-			
(inches)	Color (ı		%	Color	(moist)	%	Type ¹	Loc ²	Texture		Ren	narks
0-6	7.5YR	3/1	100				-	-	Sandy Loam			
6-20	7.5YR	4/4	100						Loamy Sand			
			-						-			
			-	_	_	_						
		-										
					_							
1.		5										
		=Depletio	n. RM=Re	duced Matrix,	CS=Cover	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Linir			
Hydric Soil I				□					Indicators fo	or Proble	matic Hydri	c Soils: 3
Histosol (A	•				yvalue Belo RA 149B)	w Surface (S8) (LRR R,		2 cm Muc	k (A10) (I	RR K, L, MLF	RA 149B)
	edon (A2)				•	face (S9) (L	.RR R, MLR	A 149B)	Coast Pra	irie Redox	(A16) (LRR	K, L, R)
Black Histi	Sulfide (A4)					Mineral (F1)		,			r Peat (S3) (L	
	Layers (A5)					Matrix (F2)					(LRR K, L, M)	
	Below Dark S	Jurface (A	11)	☐ Dep	oleted Matr	ix (F3)					rface (S8) (LI	
	Surface (A1		/	Rec	lox Dark Su	urface (F6)					S9) (LRR K,	
	ck Mineral (S			☐ Dep	oleted Dark	Surface (F7	7)				asses (F12) (I	
_ ′	yed Matrix (S	•		☐ Red	lox Depres	sions (F8)						(MLRA 149B)
Sandy Red		,							Red Parer		(MLRA 144A	, 145, 1496)
Stripped M									_		i (F21) Surface (TF12	2)
☐ Dark Surfa	ace (S7) (LRF	R R, MLRA	149B)						Other (Ex			-)
³ Indicators of	hydrophytic	vegetatio	n and wet	land hydrolog	v must ha	nrecent unl	acc dicturb	ed or proble		piairi ir iv	cinario	
			ii ana wee	iana nyarolog	y must be	present, un	coo diotarbe	ca or proble	indic.			
Restrictive La	ayer (IT obse	ervea):										
Type:									Hydric Soil Pre	esent?	Yes O	No •
Depth (inch	les):								_			
Remarks:												
Soils do not m	neet hydric	soil crite	eria.									

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23	
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 8-1	
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E	
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % /	0.0°
Subregion (LRR or MLRA): LRR K	Lat.: 45.9303420476 Long.: -89.1878858317 Datum: WGS84	
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes		
Are climatic/hydrologic conditions on the site typical for this tim	ne of year? Yes O No (If no, explain in Remarks.)	
	ificantly disturbed? Are "Normal Circumstances" present? Yes • No	
	rally problematic? (If needed, explain any answers in Remarks.)	
	ing sampling point locations, transects, important features, et	c.
Hydrophytic Vegetation Present? Yes No		
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No	
Wetland Hydrology Present? Yes No	Within a Westana.	
Remarks: (Explain alternative procedures here or in a separate	e renort.)	
Hydrology		
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)	
Primary Indicators (minimum of one required; check all that ap Surface Water (A1) Water-Stain		
I G	` '	
✓ High Water Table (A2) ✓ Aquatic Fau ✓ Saturation (A3) Marl Deposi		
	Sulfide Odor (C1) Crayfish Burrows (C8)	
	nizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)	
	f Reduced Iron (C4) Stunted or Stressed Plants (D1)	
	n Reduction in Tilled Soils (C6)	
☐ Iron Deposits (B5) ☐ Thin Muck S	Surface (C7) Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Expl	lain in Remarks)	
Sparsely Vegetated Concave Surface (B8)	✓ FAC-neutral Test (D5)	
Field Observations:		
Surface Water Present? Yes No Depth (inc	ches):5	
Water Table Present? Yes No Depth (inc	ches):0 Wetland Hydrology Present? Yes • No O	
Saturation Present? Yes No Depth (includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial	I photos, previous inspections), if available:	
Remarks:		
	ermined climatic conditions were wetter than normal for the time of the site visit. This	

VEGETATION - OSE SCIENTIFIC Harries of pic	ancs.			Sampling Point: Wet 8-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 _. Larix laricina		✓	FACW	That are OBL, FACW, or FAC:6(A)
2. Picea mariana		✓	FACW	Total Number of Dominant
3. Acer rubrum		✓	FAC	Species Across All Strata:6 (B)
4	0			
5	0			Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0% (A/B)
6	0			That Are OBL, FACW, or FAC: 100.0% (A/B)
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	40=	= Total Cove	r	Total % Cover of: Multiply by: OBL species115 x 1 =115
1 Picea mariana	15	✓	FACW	
2 Alnus incana ssp. rugosa	10	~	FACW	FACW species $65 \times 2 = 130$
3. Abies balsamea	2		FAC	FAC species $15 \times 3 = 45$
4				FACU species $0 \times 4 = 0$
5				UPL species $0 \times 5 = 0$
6.	_			Column Totals: 195 (A) 290 (B)
7				Prevalence Index = B/A = 1.487
		= Total Cove		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' radius)				Rapid Test for Hydrophytic Vegetation
1 Sphagnum magellanicum	85	✓	OBL	✓ Dominance Test is > 50%
2. Ledum groenlandicum	15		OBL	
3. Carex disperma	15		OBL	✓ Prevalence Index is ≤3.0 ¹
4. Carex brunnescens			FACW	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. Trientalis borealis	2		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
10		Ī		Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12.				
	-	= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)			-	greater triair 3.20 it (1111) tail
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
				Hydrophytic
				Vegetation Yes • No •
Pamarke: (Include photo numbers have as an a consiste of	hoot \			1
Remarks: (Include photo numbers here or on a separate si	ieet.)			
Vegetation meets wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 8-1

Depth		Matrix			Redox Feat			_		
(inches)	Color (r	noist)	%	Color (moist	t) %	Type 1	Loc²	Texture	Remarks	s
0-10	7.5YR	2.5/1	100			-	-	Muck		
10-20	7.5YR	6/1	100			-	-	Loamy Sand		
									-	
		-								
Fype: C=Cond	centration. D=	=Depletion	n. RM=Redu		overed or Coat	ted Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=M	atrix	
lydric Soil I										3
Histosol (Polyvalue F	Below Surface	(S8) (LRR R		Indicators for Proble		
Histic Epip				MLRA 149E		(50) (ERR R	,		(LRR K, L, MLRA 14	
Black Hist				☐ Thin Dark 9	Surface (S9)	(LRR R, MLR	A 149B)		x (A16) (LRR K, L,	-
	Sulfide (A4)			Loamy Mud	cky Mineral (F	1) LRR K, L)			or Peat (S3) (LRR K	, L, R)
	Layers (A5)			Loamy Gle	yed Matrix (F2	2)		☐ Dark Surface (S7)		
	Below Dark S	urface (A1	11)	Depleted M	/latrix (F3)				urface (S8) (LRR K,	L)
	k Surface (A1		,	Redox Darl	k Surface (F6))		☐ Thin Dark Surface		>
	ck Mineral (S			Depleted D	Oark Surface (F	F7)			lasses (F12) (LRR k	
	eyed Matrix (S			Redox Dep	ressions (F8)				in Soils (F19) (MLR	
Sandy Red		,) (MLRA 144A, 145	, 1498)
	Matrix (S6)							Red Parent Materia	` '	
	ace (S7) (LRR	R, MLRA	149B)					☐ Very Shallow Dark	, ,	
2				ad bood on book	h			Other (Explain in F	Remarks)	
			n and wettar	nd hydrology must	be present, u	niess disturb	ea or proble	ematic.		
Restrictive La	ayer (if obse	erved):								
Type:								Hydric Soil Present?	V (a) N-	\bigcirc
Depth (incl	hes):							nyaric Soil Present?	Yes • No	0
Remarks:										
oils meet hy	dric soil crit	eria.								
,										

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 8-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 15.0 % / 8.5 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9302487633 Long.: -89.1878031590 Datum: WGS84
	NWI classification:
Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes	
Are climatic/hydrologic conditions on the site typical for this time of y	
Are Vegetation $oxedsymbol{\square}$, Soil $oxedsymbol{\square}$, or Hydrology $oxedsymbol{\square}$ significant	tly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation $\ \ \ \ \ \ \ \ \ \ $, Soil $\ \ \ \ \ \ \ $, or Hydrology $\ \ \ \ \ \ $ naturally $\ \ \ \ \ $	problematic? (If needed, explain any answers in Remarks.)
Summary of Findings - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	To the Commission Area
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes ○ No ●
Wetland Hydrology Present? Yes ○ No •	
Hydrology Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (minimum of 2 required)
	Surface Soil Cracks (B6) Drainage Patterns (B10)
☐ Surface Water (A1) ☐ Water-Stained Lea ☐ High Water Table (A2) ☐ Aquatic Fauna (B1)	
Saturation (A3) Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	eres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	e (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes O No Depth (inches):	
Water Table Present? Yes O No Depth (inches):	
Saturation Present? (includes capillary fringe) Yes No • Depth (inches):	Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	ed climatic conditions were wetter than normal for the time of the site visit. This

vegetation - use scientific names of plan	its.			Sampling Point: Up 8-1
(DL. L. 20) radius	Absolute	Dominant Species 2	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover		Status	Number of Dominant Species
1 Abies balsamea	40	✓	FAC	That are OBL, FACW, or FAC: 4 (A)
2. Acer rubrum	20	✓	FAC	Total Number of Dominant
3	0			Species Across All Strata: 6 (B)
4				
5				Percent of dominant Species That Are OBL_FACW_or_FAC: 66.7% (A/B)
6				That Are OBL, FACW, or FAC: 66.7% (A/B)
7	0			Prevalence Index worksheet:
	60 :	= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' radius)				OBL species 0 x 1 = 0
1 Abies balsamea	60	✓	FAC	FACW species $0 \times 2 = 0$
2	0			FAC species $135 \times 3 = 405$
3	0			
4	_			
5	0			UPL species $\frac{5}{}$ x 5 = $\frac{25}{}$
6				Column Totals: <u>145</u> (A) <u>450</u> (B)
7				Prevalence Index = B/A = 3.103
		= Total Cove	,	<u> </u>
Herb Stratum (Plot size: 5' radius)				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
1 . Lycopodium clavatum	_15_	✓	FAC	1 —
2. Carex pensylvanica		✓	UPL	✓ Dominance Test is > 50%
3. Maianthemum canadense	_	✓	FACU	Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting
5				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
6				Problematic hydrophytic vegetation - (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	25 :	= Total Cove	•	greater than 3.28 ft (1m) tall
	0			Herb - All herbaceous (non-woody) plants, regardless of
1				size, and woody plants less than 3.28 ft tall.
2				
3			-	Woody vine - All woody vines greater than 3.28 ft in
4	-			height.
	:	= Total Cove	r	
				Hydrophytic
				Vogetation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate she	et.)			
Vegetation meets wetland criteria due to FAC species but so	•	t hydric, no l	nydrology i	indicators were observed and topographic position was
indicative of upland conditions.		. ,	. 57	

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 8-1

	iption: (Des	cribe to	the depth	needed to docu	ment the indi	cator or co	nfirm the	absence of indicators	.)		
Depth (inches)	0-1	Matrix	0/		Redox Feat		1 2		. Tautuus Bausades		
(inches)	Color (I		<u>%</u>	Color (moi	st) %	Type ¹	Loc2	<u>Texture</u>	R	emarks	
0-5	7.5YR	3/2	100	· — — —			-	Sandy Loam	- Lorizon		
5-6	7.5YR	5/2	100		<u>-</u>		-	Loamy Sand	E Horizon		
6-20	7.5YR	4/4	100	. <u> </u>			-	Loamy Sand			
					-			-			
		-	-		-						
1Type: C=Cond	centration D	=Denletio	n RM=Rec	luced Matrix CS=0	Covered or Coat	ed Sand Gra	ins 21 oca	ation: PL=Pore Lining. N	1=Matrix		
Hydric Soil I		-Беріскіо	n. m-nec	ideed Flatrix, e5-0	covered or code	.ca Sana Gra	1115 2000			3	
Histosol (Polyvalue	Below Surface	(S8) (LRR R		Indicators for Pr			
`	pedon (A2)			MLRA 14		(50) (ERR 14)	,		10) (LRR K, L, M		
☐ Black Hist				Thin Dark	k Surface (S9) ((LRR R, MLR	A 149B)		Redox (A16) (LR		
	Sulfide (A4)			Loamy M	ucky Mineral (F	1) LRR K, L)			eat or Peat (S3)		
	Layers (A5)			Loamy G	leyed Matrix (F2	!)			(S7) (LRR K, L, I	•	
Depleted Below Dark Surface (A11)				Matrix (F3)			☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Thin Dark Surface (S9) (LRR K, L)				
☐ Thick Dark Surface (A12)				ark Surface (F6)			☐ Iron-Manganese Masses (F12) (LRR K, L, R)				
Sandy Mu	ck Mineral (S	51)			Dark Surface (F	- 7)			Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy Gle	yed Matrix (S	54)		☐ Redox De	epressions (F8)				TA6) (MLRA 14		
Sandy Red								Red Parent Ma			
	Matrix (S6)							Very Shallow I	Dark Surface (TF	=12)	
☐ Dark Surfa	ace (S7) (LRF	R R, MLRA	(149B)					Other (Explain	in Remarks)		
³ Indicators of	hydrophytic	vegetatio	n and wetl	and hydrology mus	st be present, ur	nless disturbe	ed or proble	ematic.			
Restrictive La	ayer (if obs	erved):									
Type:											
Depth (incl	nes):							Hydric Soil Presen	t? Yes	No 💿	
Remarks:								1			
Soils do not n	neet hvdric	soil crite	eria.								
	,										

Project/Site: Lake Forest Condominiums		City/County: Town of W	ashington, Vilas Co.	ampling Date: 22-May-23
Applicant/Owner: Dalmark Development G	roup, LLC	State	e: WI Sampling Po	oint: Wet 9-1
Investigator(s): Ann Key, WDNR Prof. Ass	sured	Section, Township, Ra	ange: S. 25 T. T40	DN R. 10E
Landform (hillslope, terrace, etc.): Toe	eslope	Local relief (concave, con		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	45.9282114008	Long.: -89.1947712464	Datum: WGS84
Soil Map Unit Name: Sayner-Rubicon co			NWI classifica	
Are climatic/hydrologic conditions on th		0 0	(If no, explain in Re	emarks.)
			lormal Circumstances" pre	
		•	•	
Are Vegetation U , Soil U , o Summary of Findings - Attac	, , , – ,,	_	eded, explain any answers ations. transects. i	-
	es O No O			
	es • No O	Is the Sampled A		
	es • No O	within a Wetland	17 163 0 110 0	
Remarks: (Explain alternative procedu		-1 \		
Hydrology				
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of 2 required)
Primary Indicators (minimum of one re			Surface Soil Crac	
✓ Surface Water (A1) ✓ High Water Table (A2)	✓ Water-Stained Lea	` '	Drainage Pattern	
✓ High Water Table (A2) ✓ Saturation (A3)	Aquatic Fauna (B1	•	Moss Trim Lines	•
Water Marks (B1)	☐ Marl Deposits (B15☐ Hydrogen Sulfide (☐ Dry Season Wate	
Sediment Deposits (B2)	_ ′ ′	odor (C1) eres along Living Roots (C3)		on Aerial Imagery (C9)
Drift deposits (B3)	Presence of Reduc		Stunted or Stress	= : : :
Algal Mat or Crust (B4)		tion in Tilled Soils (C6)	✓ Geomorphic Posit	` '
☐ Iron Deposits (B5)	Thin Muck Surface	* *	Shallow Aquitard	(D3)
☐ Inundation Visible on Aerial Imagery (B7		(-)	Microtopographic	: Relief (D4)
Sparsely Vegetated Concave Surface (B8		·-···-·	FAC-neutral Test	(D5)
Field Observations:				
Surface Tracer 1 1000.10.	No Depth (inches):	9		
Water Table Present? Yes •	No Depth (inches):	0	d Hudualami Buasanta	Yes No
(Includes capillary Iringe)	No Depth (inches):	0		Tes © NO O
Describe Recorded Data (stream gauge	e, monitoring well, aerial photo	os, previous inspections),	if available:	
Remarks:				
The APT summarized data from local w sample plot meets wetland hydrology c		ed climatic conditions were	e wetter than normal for tl	ne time of the site visit. This

VEGETATION - USE Scientific fiames of pia	11103.			Sampling Point: Wet 9-1
(5)	Absolute	Dominant	Illaicatoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1 Betula alleghaniensis		✓	FAC	That are OBL, FACW, or FAC:3(A)
2	0			Total Number of Dominant
3	0			Species Across All Strata: 4 (B)
4	0			
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 75.0% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)		= Total Cove	r	Total % Cover of: Multiply by:
1 Pinus strobus	5	✓	FACU	OBL species 35 x 1 = 35
2 Acer rubrum	_	V	FAC	FACW species $5 \times 2 = 10$
3				FAC species $25 \times 3 = 75$
4			-	FACU species $5 \times 4 = 20$
5				UPL species $0 \times 5 = 0$
6		$\overline{\Box}$		Column Totals:
		$\overline{\Box}$		
7		= Total Cove		Prevalence Index = B/A = 2.000
Herb Stratum (Plot size: 5' radius)	=	= Total Cove	r	Hydrophytic Vegetation Indicators:
1 Calla palustris	35	✓	OBL	Rapid Test for Hydrophytic Vegetation
• •			FACW	✓ Dominance Test is > 50%
- -			TACVV	✓ Prevalence Index is ≤3.0 ¹
3				☐ Morphological Adaptations ¹ (Provide supporting
4				data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Definitions of Vegetation Strata.
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12	0			Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	40 =	= Total Cove	r	greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0		-	size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0		-	height.
	0 =	= Total Cove		
				Hydrophytic Vegetation Present? Yes No
				Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation meets wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 9-1

Profile Descri	ption: (Des	cribe to	the depti	needed to do	cument	the indica	ator or co	nfirm the a	absence of indic	ators.)				
Depth		Matrix			Red	lox Featu	res							
(inches)	Color (r	noist)	%_	Color (m	noist)	%	Type ¹	Loc2	Texture		Rer	narks		
0-10	7.5YR	2.5/1	100	-	-	-	-	-	Mucky Sand					
10-20	7.5YR	4/2	100	-	-	-	-	-	Sand					
		-							-					
								-	-					
		-							-					
			-			-								
		-												
¹ Type: C=Conc	entration. D	=Depletio	n. RM=Re	duced Matrix. C	S=Covered	d or Coate	d Sand Gra	ains ² Loca	tion: PL=Pore Lin	ning. M=Ma	atrix			
Hydric Soil Ir		_ 5p.000										3		
Histosol (A				Polyve	alue Relow	Surface (S	58) (I RR E	l.	Indicators 1					
Histic Epip	-				149B)	Surface (oo) (ERRY)	4			LRR K, L, MLI			
Black Histic				Thin D	ark Surfa	ce (S9) (L	RR R, MLF	A 149B)			(A16) (LRR			
	Sulfide (A4)			Loamy	/ Mucky M	lineral (F1)	LRR K, L)				r Peat (S3) (l	· · · ·		
	_ayers (A5)			Loamy	Gleyed M	1atrix (F2)					(LRR K, L, M)			
	Below Dark S	urface (A	11)	☐ Deplet	ted Matrix	(F3)			Polyvalue Below Surface (S8) (LRR K, L)					
	Surface (A1		/	Redox	Dark Sur	face (F6)			☐ Thin Dark Surface (S9) (LRR K, L)					
✓ Sandy Muc				Depleted Dark Surface (F7)					☐ Iron-Manganese Masses (F12) (LRR K, L, R)					
	yed Matrix (S			Redox Depressions (F8)					Piedmont Floodplain Soils (F19) (MLRA 149B)					
Sandy Red		, . ,							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)					
Stripped M									☐ Red Parent Material (F21) ☐ Very Shallow Dark Surface (TF12)					
	ace (S7) (LRR	R. MIRA	149B)									2)		
										xplain in R	emarks)			
Indicators of	hydrophytic	vegetatio	n and wet	and hydrology r	nust be pr	esent, unl	ess disturt	ed or proble	ematic.					
Restrictive La	yer (if obse	erved):												
Туре:														
Depth (inch	nes):								Hydric Soil Pi	resent?	Yes 💿	No O		
Remarks:														
Soils meet hyd	dric soil crit	eria.												

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Up 9-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex, none): linear Slope: 15.0 % / 8.5 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9282418792 Long.: -89.1949222317 Datum: WGS84
Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slop	
Are climatic/hydrologic conditions on the site typical for this time of y	ear? Yes O No (If no, explain in Remarks.)
	tly disturbed? Are "Normal Circumstances" present? Yes • No
	problematic? (If needed, explain any answers in Remarks.) Sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	painty point locations, transcetts, important reatures, etc.
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes No •
v	within a Wetland? Yes O NO O
Wetland Hydrology Present? YeS \(\sigma\) NO \(\sigma\) Remarks: (Explain alternative procedures here or in a separate report	
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
☐ Surface Water (A1) ☐ Water-Stained Lea ☐ High Water Table (A2) ☐ Aquatic Fauna (B)	
☐ High Water Table (A2) ☐ Aquatic Fauna (B: ☐ Saturation (A3) ☐ Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	eres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	
Inundation Visible on Aerial Imagery (B7) Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes O No O Depth (inches):	
Water Table Present? Yes O No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No • Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot does not meet wetland hydrology criteria.	ed climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - USE Scientific fiames of pia	ancs.			Sampling Point: Up 9-1
(5)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1. Acer rubrum		✓	FAC	That are OBL, FACW, or FAC: (A)
2 _. Betula papyrifera	25	✓	FACU	Total Number of Dominant
3	0			Species Across All Strata: 7 (B)
4	0			
5	0			Percent of dominant Species That Are OBL_FACW_or_FAC: 28.6% (A/B)
6				That Are OBL, FACW, or FAC: 28.6% (A/B)
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	95 =	= Total Cove	r	Total % Cover of: Multiply by: OBL species 0 x 1 = 0
1. Acer rubrum	10	✓	FAC	
2 Pinus strobus	10	V	FACU	FACW species $0 \times 2 = 0$
3.	=	Ī		FAC species 80 x 3 = 240
4		$\overline{\Box}$		FACU species x 4 =220
5		$\bar{\Box}$		UPL species $\frac{35}{}$ x 5 = $\frac{175}{}$
6.	_	$\overline{\Box}$		Column Totals: 170 (A) 635 (B)
7				Prevalence Index = $B/A = 3.735$
		= Total Cove		
Herb Stratum (Plot size: 5' radius)		- Total Cove	•	Hydrophytic Vegetation Indicators:
1 . Carex hirtifolia	20	✓	UPL	Rapid Test for Hydrophytic Vegetation
2 Dichanthelium xanthophysum		V	UPL	☐ Dominance Test is > 50%
3. Dendrolycopodium obscurum		<u>~</u>	FACU	Prevalence Index is ≤3.0 ¹
		Ä	FACU	Morphological Adaptations ¹ (Provide supporting
		$\overline{\Box}$	17100	data in Remarks or on a separate sheet)
5		$\overline{\Box}$		Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Semination of regeration of attail
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12			-	Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30' radius)	55=	= Total Cove	r	greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes ○ No ●
				Present? 163 0 NO 0
Remarks: (Include photo numbers here or on a separate sh	neet.)			
Vegetation does not meet wetland criteria.				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 9-1

Profile Descri	iption: (De	scribe to	the depth	needed to docume	nt the indic	ator or co	nfirm the a	absence of indicators.)					
Depth													
(inches)	Color (moist)	%	Color (moist)	%	Type 1	Loc2	Texture	Remarks				
0-2	7.5YR	3/2	100			-		Sandy Loam					
2-20	7.5YR	4/6	100		-	-	-	Loamy Sand					
-								-					
		-						-					
		-											
1Type: C=Conc	entration D	-Denletio	n DM-Dar	luced Matrix CS-Cove	ered or Coate	d Sand Gra	aine 21 oca	tion: PL=Pore Lining. M=Ma	atriv				
		-Depletio	II. KM-Kec	iuceu Matrix, CS=COV	cred or coate	a Sana Gra	all is -Loca						
Hydric Soil I				Debaratus De	lau Curfe es 1	(CO) (I DD D		Indicators for Proble	ematic Hydric Soils: 3				
Histosol (A	A1) edon (A2)			Polyvalue Be MLRA 149B)	iow Surtace (,56) (LKK K	•	2 cm Muck (A10) (LRR K, L, MLRA 149B)				
_				☐ Thin Dark Su	rface (S9) (L	RR R, MLR	A 149B)	Coast Prairie Redox	x (A16) (LRR K, L, R)				
Black Histi	Sulfide (A4)			Loamy Muck				5 cm Mucky Peat o	r Peat (S3) (LRR K, L, R)				
	Layers (A5)			Loamy Gleye	-			Dark Surface (S7) (LRR K, L, M)					
_	Below Dark S	Surface (A	11)	Depleted Ma				Polyvalue Below Surface (S8) (LRR K, L)					
	Surface (A		11)	Redox Dark S				☐ Thin Dark Surface (S9) (LRR K, L)					
				Depleted Dar		7)		Iron-Manganese Masses (F12) (LRR K, L, R)					
	ck Mineral (S yed Matrix (S				Redox Depressions (F8)				Piedmont Floodplain Soils (F19) (MLRA 149B)				
		54)		•				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)					
Sandy Red Stripped M								Red Parent Materia					
	ace (S7) (LRI	D D MIDA	140P)					☐ Very Shallow Dark					
								Other (Explain in R	emarks)				
³ Indicators of	hydrophytic	vegetatio	n and wetla	and hydrology must be	e present, un	less disturb	ed or proble	ematic.					
Restrictive La	yer (if obs	erved):											
Type:													
Depth (inch	nes):							Hydric Soil Present?	Yes O No 💿				
Remarks:													
		aail awiba											
Soils do not m	ieet nyaric	SOII CITTLE	:па.										

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: Wet 10-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9307426245 Long.: -89.1919092617 Datum: WGS84
Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slop	Des NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of y	year? Yes No (If no, explain in Remarks.)
	tly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation , Soil , or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)
Summary of Findings - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes ● No ○	
Hydric Soil Present? Yes ● No ○	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
community.	d to have normal circumstances. This wetland is classified as a Wet Meadow
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Le	Surface Soil Cracks (B6)
✓ Surface Water (A1) Water-Stained Lea ✓ High Water Table (A2) Aquatic Fauna (B:	` '
✓ Saturation (A3) Addatic radia (B.	
Water Marks (B1) Hydrogen Sulfide	
Tryanogen samue	neres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu	
	iction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surface	e (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks)
Sparsely Vegetated Concave Surface (B8)	✓ FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	7
Water Table Present? Yes No Depth (inches):	0 Wetland Hydrology Present? Yes ● No ○
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	0
Describe Recorded Data (stream gauge, monitoring well, aerial phot	cos, previous inspections), if available:
Remarks:	
	ed climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - Use scientific names of plants.

(Diet size, 20' radius	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC: (A)
2	0			Takal Number of Deminant
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
				Prevalence Index worksheet:
7				
Sapling/Shrub Stratum (Plot size: 15' radius)	=	= Total Cover		Total % Cover of: Multiply by:
1	0			OBL species
2				FACW species <u>25</u> x 2 = <u>50</u>
				FAC species 0 x 3 = 0
3	_			FACU species $0 \times 4 = 0$
4				UPL species $0 \times 5 = 0$
5				1
6	0			Column Totals: <u>95</u> (A) <u>120</u> (B)
7	0			Prevalence Index = B/A = 1.263
		= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' radius				Rapid Test for Hydrophytic Vegetation
1 . Calamagrostis canadensis	40	✓	OBL	
2. Onoclea sensibilis	25	✓	FACW	✓ Dominance Test is > 50%
3. Carex lacustris	15		OBL	✓ Prevalence Index is ≤3.0 ¹
4. Typha latifolia			OBL	Morphological Adaptations ¹ (Provide supporting
1				data in Remarks or on a separate sheet)
5				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strates
9	0			Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				greater than 6.20 it (1111) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2.				size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
1	0			height.
T.	0 =	= Total Cover		
		- Total Cover		
				Hydrophytic
				Vegetation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation meets wetland criteria.				
regetation meets wettand entend.				

Sampling Point: Wet 10-1

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Wet 10-1

	iption: (Des	cribe to	the depth	needed to document	t the indicat	or or cor	firm the a	absence of indicators.)				
Depth (inches)	Calan (Matrix	%		dox Feature		12	- Tt	Daw			
	Color (Color (moist)		Type ¹	Loc ²	Texture	Ken	narks		
0-4	7.5YR	2.5/1	100		-		-	Mucky Sand				
4-20	7.5YR	3/2	100				-	Sandy Loam				
									•			
		-										
		-										
		=Depletio	n. RM=Red	uced Matrix, CS=Cover	ed or Coated	Sand Grai	ns ² Loca	ition: PL=Pore Lining. M=M	atrix			
Hydric Soil I								Indicators for Proble	ematic Hydri	c Soils: 3		
Histosol (A	-			Polyvalue Belo MLRA 149B)	w Surface (S8	3) (LRR R,		2 cm Muck (A10)	(LRR K, L, MLF	RA 149B)		
	edon (A2)			Thin Dark Surf	aca (SO) (LD)	D D MID/	\ 140P\	Coast Prairie Redo				
Black Histi				Loamy Mucky			(1490)	5 cm Mucky Peat				
	Sulfide (A4)			Loamy Gleyed		.KK K, L)		Dark Surface (S7)	(LRR K, L, M)			
	Layers (A5)			Depleted Matri				Polyvalue Below Surface (S8) (LRR K, L)				
	Below Dark S		11)	Redox Dark Su				Thin Dark Surface	(S9) (LRR K,	L)		
	k Surface (A1			Depleted Dark	. ,			☐ Iron-Manganese №	1asses (F12) (I	LRR K, L, R)		
_	ck Mineral (S	-		Redox Depress				Piedmont Floodplain Soils (F19) (MLRA 149B)				
_	yed Matrix (S	54)		Redox Depress	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Mesic Spodic (TA6		, 145, 149B)		
Sandy Rec								Red Parent Materi	al (F21)			
Stripped M			1.400)					Very Shallow Dark	-	2)		
	ace (S7) (LRF							Other (Explain in F	Remarks)			
³ Indicators of	hydrophytic	vegetatio	n and wetla	nd hydrology must be p	oresent, unles	s disturbe	ed or proble	ematic.				
Restrictive La	ayer (if obs	erved):										
Туре:												
Depth (inch	nes):							Hydric Soil Present?	Yes 💿	No O		
Remarks:												
Soils meet hyd	dric soil crit	eria										
John Meet Hy	unc son cm	.c.ia.										

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/County: Town of Washing	ton, Vilas Co. Samplin	g Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: W	Sampling Point:	Up 10-1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range:	s. 24 t. T40N	R. 10E
Landform (hillslope, terrace, etc.): Sideslope	Local relief (concave, convex,	none): linear	Slope: 25.0 % / 14.0 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9308522169 Lon		Datum: WGS84
Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slop		NWI classification:	
	· O · O		
Are climatic/hydrologic conditions on the site typical for this time of y		(If no, explain in Remarks	-
Are Vegetation . , Soil . , or Hydrology . significan	tly disturbed? Are "Norma	Circumstances" present?	Yes • No O
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$ naturally	problematic? (If needed,	explain any answers in Ren	narks.)
Summary of Findings - Attach site map showing	sampling point location	ns, transects, impor	tant features, etc.
Hydrophytic Vegetation Present? Yes No •			
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland?	Yes \bigcirc No $lacktriangle$	
Wetland Hydrology Present? Yes ○ No ●			
Hydrology Wetland Hydrology Indicators:		Secondary Indicators (minim	um of 2 required)
Primary Indicators (minimum of one required; check all that apply)		Surface Soil Cracks (B6)	
Surface Water (A1) Water-Stained Lea	` '	Drainage Patterns (B10)	
High Water Table (A2) Aquatic Fauna (B1) Cabusation (A2)		Moss Trim Lines (B16)	(62)
Saturation (A3) Marl Deposits (B1) Marl Marks (B1) Hydrogen Sulfide	•	Dry Season Water Table Crayfish Burrows (C8)	(C2)
	· ,	Saturation Visible on Aer	ial Imageny (CQ)
Drift deposits (B3) Presence of Redu	neres along Living Roots (C3)	Stunted or Stressed Plan	
	ction in Tilled Soils (C6)	Geomorphic Position (D2	` '
☐ Iron Deposits (B5) ☐ Thin Muck Surface	* *	Shallow Aguitard (D3)	,
Inundation Visible on Aerial Imagery (B7) Other (Explain in	` '	Microtopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)	· · · · · · ·	FAC-neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes No Depth (inches):		v	○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):			⊃ NO ♥
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if ava	lable:	
Remarks:	ad altinopita and dist		
The APT summarized data from local weather stations and determin sample plot does not meet wetland hydrology criteria.	eu cilmatic conditions were wet	er uian normai for the time	e oi the site visit. This

VEGETATION - Use scientific names of plants.

vegeration - use scientific names of pla	iiits.			Sampling Point: Up 10-1
(5)	Absolute	Dominant	Illaicacoi	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species
1. Acer rubrum	60	✓	FAC	That are OBL, FACW, or FAC: (A)
2 Betula papyrifera	30	✓	FACU	Total Number of Dominant
3. Pinus strobus	25		FACU	Species Across All Strata: 8 (B)
4. Quercus rubra			FACU	
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)
6	0			That Are Obl., FACW, OF FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	140 =	= Total Cove	r	Total % Cover of: Multiply by: OBL species0 x 1 =0
1 Pinus strobus	20	✓	FACU	FACW species $0 \times 2 = 0$
2. Quercus rubra	10	✓	FACU	
3. Acer rubrum	10	✓	FAC	·
4. Prunus serotina	10	✓	FACU	FACU species $\frac{140}{25}$ x 4 = $\frac{560}{175}$
5	0			UPL species $\frac{35}{}$ x 5 = $\frac{175}{}$
6	0			Column Totals: <u>245</u> (A) <u>945</u> (B)
7				Prevalence Index = B/A = 3.857
		= Total Cove	r	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' radius)				Rapid Test for Hydrophytic Vegetation
1. Pteridium aquilinum	20	✓	FACU	Dominance Test is > 50%
2. Carex hirtifolia	15	✓	UPL	Prevalence Index is ≤3.0 ¹
3. Dichanthelium xanthophysum	10		UPL	
4. Carex pensylvanica	10		UPL	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6				
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9.				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12		Ī		
Woody Vine Stratum (Plot size: 30' radius)		= Total Cove	r	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
1,	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
Τ.	0 =	= Total Cove		
			•	
				Hydrophytic Vegetation Present? Yes No No
Remarks: (Include photo numbers here or on a separate sh	eet)			
Vegetation does not meet wetland criteria.	eet.)			
-				

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: Up 10-1

Profile Descri	iption: (Des	cribe to	the depth	needed to docu	ment the indi	cator or co	nfirm the a	absence of indicators.)	-			
Depth												
(inches)	Color (r	noist)	%	Color (moi	st) %	Type 1	Loc ²	Texture	Rem	arks		
0-3	7.5YR	3/2	100			-	-	Sandy Loam				
3-20	7.5YR	4/4	100				-	Sandy Loam				
								-				
			-									
			-									
		-	-									
					-	-						
1Tumou C. Comm		-Dorlett-	- DM D-	lucad Matrix CC (Covered as Coat			tions DI Dore Lining A4	Matrix			
		=Depletio	п. км=кес	iucea Matrix, CS=0	Covered or Coat	ea sand Gra	ains -toca	tion: PL=Pore Lining. M=				
Hydric Soil I				Delining.	. Polovi Cirife	(CO) (LDD 7		Indicators for Prob	lematic Hydric	Soils: 3		
Histosol (A	A1) Dedon (A2)			☐ Polyvalue MLRA 14	e Below Surface 9B)	(SO) (LKK F	,	2 cm Muck (A10)		-		
Black Histi				Thin Darl	k Surface (S9) ((LRR R, MLF	A 149B)	Coast Prairie Rec		· · ·		
	Sulfide (A4)			Loamy M	lucky Mineral (F	1) LRR K, L)		5 cm Mucky Peat		RR K, L, R)		
	Layers (A5)			Loamy G	leyed Matrix (F2	2)		Dark Surface (S7) (LRR K, L, M)				
Depleted Below Dark Surface (A11) Depleted Matrix (F3)			Matrix (F3)			Polyvalue Below						
	Thick Dark Surface (A12) Redox Dark Surface (F6)			Thin Dark Surface								
	ck Mineral (S				Dark Surface (F	- 7)		☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Gle	yed Matrix (S	54)		☐ Redox De	epressions (F8)			☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
Sandy Red	dox (S5)							Red Parent Material (F21)				
Stripped N	Matrix (S6)							Very Shallow Dark Surface (TF12)				
Dark Surfa	ace (S7) (LRR	R, MLRA	149B)					Other (Explain in				
³ Indicators of	hydrophytic	vegetatio	n and wetla	and hydrology mus	st be present, ur	nless disturt	ed or proble	ematic.				
Restrictive La												
Type:	.,c. (0550	veu j.										
Depth (inch	nes):							Hydric Soil Present?	Yes 🔾	No •		
Remarks:												
Soils do not n	noot hydric	coil crito	ria									
Solis do Hot H	neet nyunc	SOII CITE	ııa.									

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/County: Town of Washington, Vilas Co. Sampling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State: WI Sampling Point: SP1
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Range: S. 24 T. T40N R. 10E
Landform (hillslope, terrace, etc.): Footslope	Local relief (concave, convex, none): concave Slope: 3.0 % / 1.7 °
Subregion (LRR or MLRA): LRR K Lat.:	45.9319921627 Long.: -89.1893147731 Datum: WGS84
Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of	year? Yes No (If no, explain in Remarks.)
	tly disturbed? Are "Normal Circumstances" present? Yes No
	problematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No •	
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland? Yes ○ No ●
V O N- O	within a Wetland? Yes \bigcirc NO \bigcirc
Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in a separate report	sut)
Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Le	· ·
High Water Table (A2) Aquatic Fauna (B) Aquatic Fauna (B)	
Saturation (A3) Marl Deposits (B1) Marl Marks (B1) Hydrogen Sulfide	
	odor (C1)
Drift deposits (B3) Presence of Redu	5, ()
	ction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Thin Muck Surfac	e (C7) Shallow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in	Remarks)
Sparsely Vegetated Concave Surface (B8)	FAC-neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	Wetland Hydrology Present? Yes No •
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
The APT summarized data from local weather stations and determin sample plot does not meet wetland hydrology criteria.	ed climatic conditions were wetter than normal for the time of the site visit. This

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
	% Cover		Status	Number of Dominant Species
1 Abies balsamea	50	✓	FAC	That are OBL, FACW, or FAC:3 (A)
2. Acer rubrum	25	✓	FAC	
3	0			Total Number of Dominant Species Across All Strata: 6 (B)
4.				
5	-			Percent of dominant Species
				That Are OBL, FACW, or FAC:50.0% (A/B)
6				
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15' radius)	75=	= Total Cover		Total % Cover of: Multiply by:
d. Dinus stratus	15		FACU	OBL species 0 x 1 = 0
- 41 11		✓	FAC	FACW species <u>0</u> x 2 = <u>0</u>
— ·		✓	TAC	FAC species <u>80</u> x 3 = <u>240</u>
3	_			FACU species $15 \times 4 = 60$
4	=			UPL species $\frac{15}{2}$ x 5 = $\frac{75}{2}$
5	0			1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
6	0			Column Totals: <u>110</u> (A) <u>375</u> (B)
7	0			Prevalence Index = $B/A = 3.409$
		= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' radius)				Rapid Test for Hydrophytic Vegetation
1. Carex hirtifolia	10	✓	UPL	
2 Dichanthelium xanthophysum	5	✓	UPL	☐ Dominance Test is > 50%
3				Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
5				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strates
9				Definitions of Vegetation Strata:
10	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11	0			at breast height (DBH), regardless of height.
12				Continuo al Mandia planta laga than Cin DDI and
		= Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				ground than o.25 it (iii) taiii.
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cover		
				Hydrophytic
				Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate sho	eet.)			
Vegetation does not meet wetland criteria.				
-				

Sampling Point: SP1

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: SP1

Profile Descri	ption: (Des	cribe to	the depth	needed to	locument	the indica	ator or co	nfirm the a	absence of indicators	i.)			
Depth		Matrix				dox Featu	res		-				
(inches)	Color (r	noist)	%	Color (moist)	%	Type ¹	Loc2	Texture		Remarks		
0-1	7.5YR	3/2	100	-					Sandy Loam				
1-3	7.5YR	5/2	100	-	-	-	-		Loamy Sand		E Horizon		
3-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand				
		-		-									
		-											
		-					-						
		-		-			-						
							-						
1- 00		5							51 5 1				
		=Depletio	n. KM=Rec	iuced Matrix,	CS=Covere	a or Coate	a Sand Gr	ains ² Loca	tion: PL=Pore Lining. I				
Hydric Soil I				□ 5 .		. Conf	CO) (/ DD =		Indicators for P	oble	matic Hydric Soils	: ³	
Histosol (A					value Belov A 149B)	v Surface (S8) (LRR F	ι,	2 cm Muck (A	10) (I	LRR K, L, MLRA 149B)	
Histic Epip					•	ice (S9) (L	.RR R, MLF	A 149B)	Coast Prairie I	Redox	(A16) (LRR K, L, R)		
Black Histi	Sulfide (A4)					lineral (F1)		-			r Peat (S3) (LRR K, L	, R)	
_	_ayers (A5)					Matrix (F2)			Dark Surface (S7) (LRR K, L, M)				
_	Below Dark S	urface (A	11)	Dep	eted Matrix	(F3)			Polyvalue Below Surface (S8) (LRR K, L)				
	Surface (A1		/	Rede	ox Dark Sui	face (F6)					(S9) (LRR K, L)		
	ck Mineral (S			☐ Dep	eted Dark	Surface (F7	')		☐ Iron-Manganese Masses (F12) (LRR K, L, R)				
	yed Matrix (S			Rede	ox Depress	ions (F8)			☐ Piedmont Floodplain Soils (F19) (MLRA 149B) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
Sandy Red		,							Red Parent Material (F21)				
Stripped M									□ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12)				
☐ Dark Surfa	ice (S7) (LRR	R R, MLRA	149B)						Other (Explain				
³ Indicators of	hydronhytic	venetatio	n and wetla	and hydrology	must he n	resent unl	ecc dicturk	ed or proble		1 111 10	cinandy		
Restrictive La			ii ana wea	ina nyarology	тизс ве р	reserie, uni	CSS GISCUIT	ica or probic	indic.				
Type:	iyer (it obse	ervea):											
Depth (inch	oc).								Hydric Soil Presen	t?	Yes O No G		
	ics)												
Remarks:													
Soils do not m	neet hydric	soil crite	eria.										

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/County: Town of Wa	shington, Vilas Co. Sam	pling Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	State	: WI Sampling Point	: SP2
Investigator(s): Ann Key, WDNR Prof. Assured	Section, Township, Ra	nge: S. 24 T. T40N	R. 10E
Landform (hillslope, terrace, etc.): Footslope	Local relief (concave, conv	vex, none): linear	Slope: 2.0 % / 1.1 °
	— ∴: 45.9243725090	Long.: -89.1968785128	Datum: WGS84
, <u>a</u>	43.3243723030	NWI classification	
Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes	0 6	<u></u>	
Are climatic/hydrologic conditions on the site typical for this time	of year? Yes O No 🖲	(If no, explain in Rema	-
Are Vegetation $lacksquare$, Soil $lacksquare$, or Hydrology $lacksquare$ signific	antly disturbed? Are "No	ormal Circumstances" presen	_{t?} Yes O No 💿
Are Vegetation $\ \ \ \ \ \ \ \ \ \ \ $, Soil $\ \ \ \ \ \ \ \ \ \ \ \ $, or Hydrology $\ \ \ \ \ \ \ \ \ \ \ $ natural	ly problematic? (If nee	ded, explain any answers in I	Remarks.)
Summary of Findings - Attach site map showing	g sampling point loca	tions, transects, imp	ortant features, etc.
Hydrophytic Vegetation Present? Yes No •			
Hydric Soil Present? Yes No •	Is the Sampled Ai within a Wetland		
Wetland Hydrology Present? Yes ○ No •			
Remarks: (Explain alternative procedures here or in a separate re	eport.)		
Hadrala ma			
Hydrology			
Wetland Hydrology Indicators:	,	Secondary Indicators (mi	
Primary Indicators (minimum of one required; check all that appl		Surface Soil Cracks (
☐ Surface Water (A1) ☐ Water-Stained ☐ High Water Table (A2) ☐ Aquatic Fauna	` '	Drainage Patterns (B	•
☐ High Water Table (A2) ☐ Aquatic Fauna ☐ Saturation (A3) ☐ Marl Deposits		☐ Moss Trim Lines (B16☐ Dry Season Water Ta	•
Water Marks (B1) Hydrogen Sulfi	•	Crayfish Burrows (C8	` '
	spheres along Living Roots (C3)	Saturation Visible on	
	educed Iron (C4)	Stunted or Stressed I	3 / (/
	eduction in Tilled Soils (C6)	Geomorphic Position	` '
☐ Iron Deposits (B5) ☐ Thin Muck Sur	face (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain	in Remarks)	Microtopographic Re	lief (D4)
Sparsely Vegetated Concave Surface (B8)	·	FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inche	s):		
Water Table Present? Yes O No O Depth (inche	s):		O O
Saturation Present? (includes capillary fringe) Yes No • Depth (inche		Hydrology Present? Yes	s O No O
Describe Recorded Data (stream gauge, monitoring well, aerial pl	notos, previous inspections), if	f available:	
Remarks:			
The APT summarized data from local weather stations and detern	ained climatic conditions were	watter than normal for the t	ima of the cite vicit. This
sample plot does not meet wetland hydrology criteria.	inied climatic conditions were	wetter train normal for the t	ante of the site visit. This

VEGETATION - Use scientific names of plants.

- (Plot size: 30' radius	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	<u>species:</u>	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC: (A)
2	0			Total Number of Dominant
3	0			Species Across All Strata:
4	0			
5	0			Percent of dominant Species That Are OBL FACW or FAC: 0.0% (A/B)
6	0			That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
(District of AFI and inc.)	0 =	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' radius)				OBL species
1	0			FACW species 0 x 2 = 0
2	0			FAC species x 3 =0
3	0			·
4	0			FACU species $\frac{135}{2}$ x 4 = $\frac{540}{2}$
5	0			UPL species $0 \times 5 = 0$
6				Column Totals: <u>135</u> (A) <u>540</u> (B)
7				Prevalence Index = B/A =4.000_
		= Total Cover		
Herb Stratum (Plot size: 5' radius)				Hydrophytic Vegetation Indicators:
1_Poa pratensis	80	✓	FACU	Rapid Test for Hydrophytic Vegetation
2. Viola canadensis	20	<u></u>	FACU	Dominance Test is > 50%
3. Veronica officinalis	25		FACU	☐ Prevalence Index is ≤3.0 ¹
4				Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
5				☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Definitions of Vegetation Strata.
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				 Sapling/shrub - Woody plants less than 3 in. DBH and
(Dlataina, 20) radius	135 =	= Total Cover		greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30' radius)				
1,	-			Herb - All herbaceous (non-woody) plants, regardless of
2				size, and woody plants less than 3.28 ft tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cover		
				Hydrophytic
				Vegetation Present? Yes ○ No ●
				Trosuit.
Remarks: (Include photo numbers here or on a separate sh	eet.)			
Vegetation does not meet wetland criteria.				

Sampling Point: SP2

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: SP2

Depth (inches) Matrix (inches) 7.5
0-13
13-20 7.5YR 4/4 100 Loamy Sand Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains 2Location: PL=Pore Lining. M=Matrix
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ² Location: PL=Pore Lining. M=Matrix
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: 3
Indicators for Problematic Hydric Soils:
Hictorol (A1)
Histis Epipodon (A2) MLRA 149B)
☐ Rlack Hieric (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) ☐ Codst Prairie Redux (A16) (LRR R, L, R)
Loamy Mucky Mineral (F1) LRR K, L)
Loamy Gleved Matrix (F2) Loamy Gleved Matrix (F2)
Depleted Below Dark Surface (A11) Depleted Matrix (F3)
Redox Dark Surface (F6)
Condu Music Minoral (C1) Depleted Dark Surface (F7)
Redox Depressions (F8)
☐ Sandy Redox (S5) ☐ Red Parent Material (F21)
Stripped Matrix (S6) Stripped Matrix (S6) Very Shallow Dark Surface (TF12)
Dark Surface (S7) (LRR R, MLRA 149B)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Type: Hydric Soil Present? Yes O No •
Depth (inches):
Remarks:
Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums	City/Co	ounty: Town of Washingto	on, Vilas Co. Samplir	ng Date: 22-May-23
Applicant/Owner: Dalmark Development Group, LLC	<u> </u>	State: WI	Sampling Point:	SP3
Investigator(s): Ann Key, WDNR Prof. Assured	Sec	tion, Township, Range: 9	s. 24 T. T40N	R. 10E
Landform (hillslope, terrace, etc.): Sideslope		elief (concave, convex, n		Slope: 25.0 % / 14.0 °
Subregion (LRR or MLRA): LRR K	Lat.: 45,929	0060180 Long	·· -89.1952905232	Datum: WGS84
Soil Map Unit Name: Padus sandy loam; 6 to 1			NWI classification:	
Are climatic/hydrologic conditions on the site ty	pical for this time of year?	Yes ○ No ●	(If no, explain in Remarks	 s.)
Are Vegetation, Soil, or Hydrol			Circumstances" present?	Yes No
Are Vegetation , Soil , or Hydrol			•	
Summary of Findings - Attach site	· ·	,	xplain any answers in Rer S. transects, impoi	-
Hydrophytic Vegetation Present? Yes	No •		-, p	
Hydric Soil Present? Yes	No •	Is the Sampled Area	Yes ○ No ●	
Wetland Hydrology Present?	No •	within a Wetland?	ies Unio U	
Remarks: (Explain alternative procedures here				
Hydrology				
Wetland Hydrology Indicators:			Secondary Indicators (minim	
Primary Indicators (minimum of one required;			Surface Soil Cracks (B6)	
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9)		Drainage Patterns (B10)	
Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)		Moss Trim Lines (B16) Dry Season Water Table	v (C3)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)	(C2)
Sediment Deposits (B2)	Oxidized Rhizospheres alor	•	Saturation Visible on Aer	rial Imagery (C9)
Drift deposits (B3)	Presence of Reduced Iron		Stunted or Stressed Plan	• , , ,
Algal Mat or Crust (B4)	Recent Iron Reduction in T	` '	Geomorphic Position (D2	` '
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	(,	Shallow Aquitard (D3)	,
☐ Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks))	Microtopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)			FAC-neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes No •	Depth (inches):			
Water Table Present? Yes No •	Depth (inches):		() (a)
Saturation Present? (includes capillary fringe) Yes No No	Depth (inches):	Wetland Hydro	ology Present? Yes	○ No •
Describe Recorded Data (stream gauge, monitor	pring well, aerial photos, prev	ious inspections), if availa	able:	
Remarks:				
The APT summarized data from local weather sample plot does not meet wetland hydrology of		itic conditions were wette	er than normal for the time	e of the site visit. This

VEGETATION - Use scientific names of plants.

vegetation - use scientific names of pla	Sampling Point: SP3					
(0)	Absolute		Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Number of Dominant Species		
1 Acer rubrum	30	✓	FAC	That are OBL, FACW, or FAC:3 (A)		
2. Betula papyrifera	30	✓	FACU	Total Number of Dominant		
3. Pinus strobus	25	✓	FACU	Species Across All Strata:6(B)		
4	0					
5				Percent of dominant Species That Are OBL_FACW_or_FAC: 50.0% (A/B)		
6				That Are OBL, FACW, or FAC: 50.0% (A/B)		
7	0			Prevalence Index worksheet:		
Sapling/Shrub Stratum (Plot size: 15' radius)	85 :	= Total Cover		Total % Cover of: Multiply by:		
	20		FAC	OBL species 0 x 1 = 0		
1 Acer rubrum	-	✓	FACU	FACW species		
2 Pinus strobus				FAC species 93 x 3 = 279		
3 Abies balsamea			FAC	FACU species $100 \times 4 = 400$		
4	=			UPL species $\frac{15}{}$ x 5 = $\frac{75}{}$		
5			-	Column Totals: 213 (A) 764 (B)		
6						
7				Prevalence Index = B/A = 3.587		
Herb Stratum (Plot size: 5' radius)	= 28 =	= Total Cover	•	Hydrophytic Vegetation Indicators:		
	40	✓	FAC	Rapid Test for Hydrophytic Vegetation		
		✓	FACU	☐ Dominance Test is > 50%		
O. District the Programme	- 15		UPL	Prevalence Index is ≤3.0 ¹		
4. Dandrahaanadium ahaaumm	15		FACU	☐ Morphological Adaptations ¹ (Provide supporting		
F. Maniakum angustifalium				data in Remarks or on a separate sheet)		
5. Vaccinium angustifolium	_		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
6. Coptis trifolia			FACW	¹ Indicators of hydric soil and wetland hydrology must		
7				be present, unless disturbed or problematic.		
8				Definitions of Vegetation Strata:		
9				Deminions of Vegetation strata.		
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter		
11				at breast height (DBH), regardless of height.		
12				Sapling/shrub - Woody plants less than 3 in. DBH and		
Woody Vine Stratum (Plot size: 30' radius)	:	= Total Cover	•	greater than 3.28 ft (1m) tall		
1	0			Herb - All herbaceous (non-woody) plants, regardless of		
2	0			size, and woody plants less than 3.28 ft tall.		
3	0			Woody vine - All woody vines greater than 3.28 ft in		
4	0			height.		
	0 :	= Total Cover				
				Hydrophytic		
				Vegetation Present? Yes No •		
				Present:		
Barrander (Traduda ubaka musukan kana a				<u> </u>		
Remarks: (Include photo numbers here or on a separate she	eet.)					
Vegetation does not meet wetland criteria.						

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

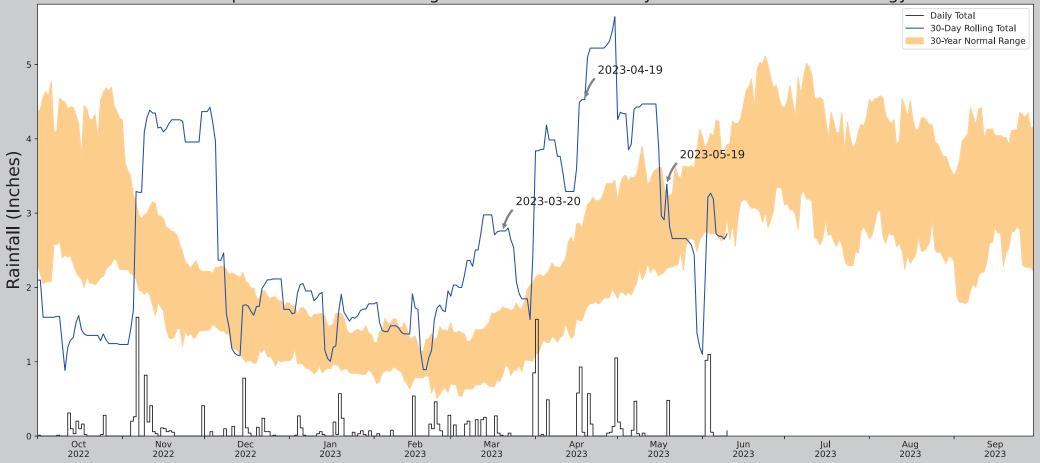
Soil Sampling Point: SP3

Profile Descri	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)												
Depth		Matrix				dox Featu	res		_				
(inches)	Color (r	moist)	%	Color	(moist)	%	Type ¹	Loc2	Texture		Remarks		
0-3	7.5YR	3/1	100			-			Sandy Loam				
3-4	7.5YR	5/2	100		-			-	Loamy Sand	F	E Horizon		
4-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand				
		-			-		-						
		-			-	-	-			—-			
			-			-							
¹ Type: C=Conc	entration. D	=Depletio	n. RM=Rec	luced Matrix,	CS=Covere	ed or Coate	d Sand Gr	ains ² Loca	tion: PL=Pore Lining. M	i=Ma	itrix		
Hydric Soil I	ndicators:								Indicators for Pr	oble	matic Hydric Soils: 3		
Histosol (A	A1)					w Surface (S8) (LRR F	₹,			LRR K, L, MLRA 149B)		
Histic Epip	edon (A2)				RA 149B)	(60) "	DD D 14:-	A 1405'			(A16) (LRR K, L, R)		
Black Histi	c (A3)					ace (S9) (L		-			r Peat (S3) (LRR K, L, R)		
_	Sulfide (A4)					Mineral (F1))	Dark Surface (
_	ayers (A5)					Matrix (F2)					rface (S8) (LRR K, L)		
	Below Dark S		11)		leted Matrix						(S9) (LRR K, L)		
	Surface (A1				ox Dark Su	rrace (F6) Surface (F7	7)		Iron-Manganese Masses (F12) (LRR K, L, R)				
	ck Mineral (S				ox Depress		')				n Soils (F19) (MLRA 149B)		
	yed Matrix (S	54)		□ Keu	ox Depress	ions (Fo)			Mesic Spodic (TA6)	(MLRA 144A, 145, 149B)		
☐ Sandy Red									Red Parent Ma	terial	l (F21)		
Stripped M									Very Shallow [ark S	Surface (TF12)		
☐ Dark Surfa	ice (S7) (LRR	R R, MLRA	(149B)						Other (Explain	in Re	emarks)		
³ Indicators of	hydrophytic	vegetatio	n and wetla	and hydrolog	y must be p	resent, unl	ess disturl	ed or proble	ematic.				
Restrictive La	yer (if obse	erved):											
Type:													
Depth (inch	nes):								Hydric Soil Present	!?	Yes O No 💿		
Remarks:													
Soils do not m	neet hydric	soil crite	ria										
John do Hot II	icet flydric	Son Citte	iia.										



APPENDIX B – ANTECEDENT PRECIPITATION EVALUATION, WETS DATA and PALMER DROUGHT INDEX REPORTS

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



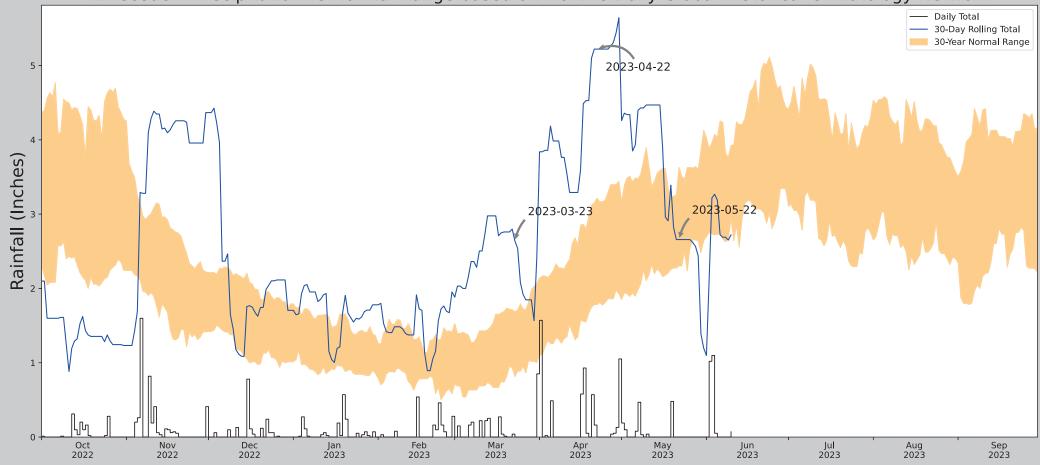
Coordinates	45.9303420476, -89.1878858317
Observation Date	2023-05-19
Elevation (ft)	1621.253
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-05-19	2.256299	3.218504	3.389764	Wet	3	3	9
2023-04-19	1.667323	2.966536	4.527559	Wet	3	2	6
2023-03-20	0,816929	1,735433	2,759843	Wet	3	1	3
Result							Wetter than Normal - 18



Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
EAGLE RVR	45.9169, -89.2564	1623.032	3.421	1.779	1.546	11317	83
LONG LAKE DAM	45.8883, -89.1389	1629.921	5.985	6.889	2.734	4	0
BUCKATABON	46.03, -89.3086	1655.84	8.207	32.808	3.962	32	0
ST GERMAIN	45.9156, -89.4894	1643.045	11.2	20.013	5.264	0	7

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	45.9303420476, -89.1878858317
Observation Date	2023-05-22
Elevation (ft)	1621.253
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-05-22	2.302756	3.629921	2.65748	Normal	2	3	6
2023-04-22	1.782677	3.214173	5.220473	Wet	3	2	6
2023-03-23	0.814173	1,687795	2,637795	Wet	3	1	3
Result							Wetter than Normal - 15

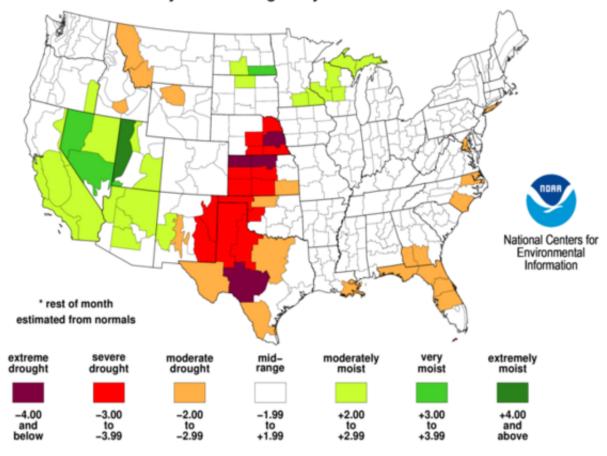


Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
EAGLE RVR	45.9169, -89.2564	1623.032	3.421	1.779	1.546	11317	82
LONG LAKE DAM	45.8883, -89.1389	1629.921	5.985	6.889	2.734	4	0
BUCKATABON	46.03, -89.3086	1655.84	8.207	32.808	3.962	32	0
ST GERMAIN	45.9156, -89.4894	1643.045	11.2	20.013	5.264	0	8

pdi20230520-pg.png 650×534 pixels 6/12/23, 1:03 PM

Palmer Drought Index Long-Term (Meteorological) Conditions

May 2023: through May 20 2023*



APPENDIX C – SITE PHOTOS



WET 1-1



UP 1-1



WET 1-2



UP 1-2



WET 2-1





WET 2-2



UP 2-2



WET 2-3





WET 2-4



UP 2-4



WET 3-1





WET 4-1



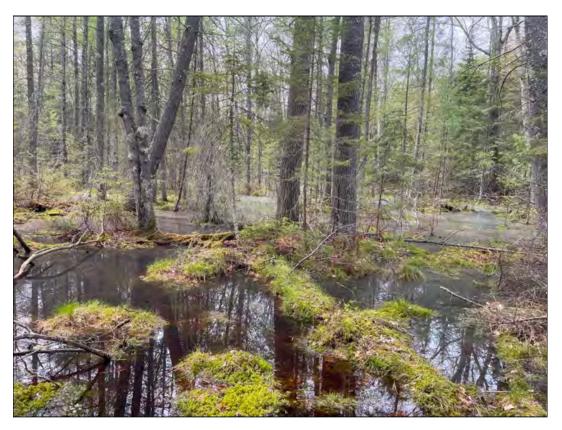
UP 4-1



WET 5-1



UP 5-1



WET 6-1



UP 6-1



WET 7-1



UP 7-1



WET 8-1



UP 8-1



WET 9-1



UP 9-1



WET 10-1



UP 10-1



SP1





SP3



ARTIFICIALLY CONSTRUCTED POND



APPENDIX D – ASSURED WETLAND DELINEATOR 2023 CONFIRMATION LETTER

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1027 W St Paul Ave
Milwaukee WI, WI, 53233

Tony Evers, Governor Adam N. Payne, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



April 3, 2023

Ann Key, PSS, PWS, CST Wetlands and Waterways, LLC 5742 Warbonnet Lane Hazelhurst, WI 54531

Subject: 2023 Assured Wetland Delineator Confirmation

Dear Ms. Key:

This letter provides Wisconsin Department of Natural Resources (WDNR) confirmation for the wetland delineations you conduct during the 2023 growing season. You and your clients will not need to wait for the WDNR to review your wetland delineations before moving forward with project planning. This will help expedite the review process for WDNR's wetland regulatory program. Your name and contact information will continue to be listed on our website at: http://dnr.wi.gov/topic/wetlands/assurance.html.

In the instance where a municipality may require a letter of confirmation for your work prior to moving forward in the local regulatory process, this letter shall serve as that confirmation. Although your wetland delineations do not require WDNR field review, inclusion of a Wetland Delineation Report is required for projects needing State authorized wetland, waterway and/or storm water permit approvals.

To comply with Chapter 23.321, State Statutes, please supply the department with a polygon shapefile of the wetland boundaries delineated within the project area. Please do not include data such as parcel boundaries, project limits, wetland graphic representation symbols, etc. If internal upland polygons are found within a wetland polygon, then please label as UPLAND. The shapefile should utilize a State Plane Projection and be overlain onto recent aerial photography. If a different projection system is used, please indicate in which system the data are projected. In the correspondence sent with the shapefile, please supply a brief description of each wetland's plant community (eg: wet meadow, floodplain forest, etc.). Please send these data to Calvin Lawrence (608-266-0756 or email at calvin.lawrence@wisconsin.gov).

If you or any client has a question regarding your status in the Wetland Delineation Professional Assurance Program, contact me by email at kara.brooks@wisconsin.gov or phone at 414-308-6780. Thank you for all your hard work and best wishes for the upcoming field season.

Sincerely,

Kara Brooks Wetland Identification Coordinator Bureau of Watershed Management